

Date : August 30, 2021

CERTIFICATE OF ANALYSIS – GC PROFILING

SAMPLE IDENTIFICATION

Internal code : 21H17-ORA10

Customer identification : Roman Chamomile - United Kingdom - 3 years

Type : Essential oil

Source : *Anthemis nobilis*

Customer : Organic Aromas Inc.

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 : August 23, 2021

Checked and approved by :

Alexis St-Gelais, M. Sc., 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Notes: This report may not be published, including online, without the written consent from Laboratoire PhytoChemia.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.

*P*HYSICO*C*HEMICAL *D*ATA

Physical aspect: Light yellow liquid

Refractive index: 1.4463 ± 0.0003 (20 °C; method PC-MAT-016)

*C*ONCLUSION

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
Ethanol	tr	Aliphatic alcohol
Methacrolein	0.01	Aliphatic aldehyde
2-Methyl-3-buten-2-ol	0.01	Aliphatic alcohol
Isobutanol	0.07	Aliphatic alcohol
Methylallyl alcohol	0.02	Aliphatic alcohol
Isovaleral	0.07	Aliphatic aldehyde
3-Methyl-2-butanone	0.02	Aliphatic ketone
2-Methylbutyral	0.04	Aliphatic aldehyde
3-Methyl-3-buten-2-one	0.01	Aliphatic ketone
3-Methyl-2-butanol?	tr	Aliphatic alcohol
Methyl isobutyrate	tr	Aliphatic ester
Valeral	0.01	Aliphatic aldehyde
2-Ethylfuran	0.02	Furan
Methyl methacrylate	tr	Aliphatic ester
2-Methylbutanenitrile	tr	Aliphatic nitrile
2-Vinylfuran	tr	Furan
Isoamyl alcohol	0.06	Aliphatic alcohol
2-Methylbutanol	0.14	Aliphatic alcohol
(2Z)-Pentenol	tr	Aliphatic alcohol
Ethyl isobutyrate	0.01	Aliphatic ester
Toluene	tr	Simple phenolic
Isobutyl acetate	0.03	Aliphatic ester
Methyl isovalerate	0.02	Aliphatic ester
Isobutyric acid	0.04	Aliphatic acid
Methyl 2-methylbutyrate	0.01	Aliphatic ester
Ethyl methacrylate	tr	Aliphatic ester
Octene	0.03	Alkene
Hexanal	0.09	Aliphatic aldehyde
Methyl angelate	0.04	Aliphatic ester
3-Methylpentanol	0.23	Aliphatic alcohol
(2E)-Hexenal	tr	Aliphatic aldehyde
Ethyl 2-methylbutyrate	0.08	Aliphatic ester
Propyl isobutyrate	0.01	Aliphatic ester
(3Z)-Hexenol	0.08	Aliphatic alcohol
Isobutyl propionate	0.02	Aliphatic ester
(2E)-Hexenol	0.02	Aliphatic alcohol
Hexanol	0.05	Aliphatic alcohol
Isoamyl acetate	0.09	Aliphatic ester
2-Methylbutyl acetate	0.07	Aliphatic ester
Propyl methacrylate	0.04	Aliphatic ester
Nonene	0.02	Alkene
Heptanal	0.02	Aliphatic aldehyde
Ethyl angelate	0.02	Aliphatic ester
Isobutyl isobutyrate	1.99	Aliphatic ester
Tiglic acid	0.10	Aliphatic acid

α-Thujene	tr	Monoterpene
Tiglyl acetate?	0.14	Aliphatic ester
α-Pinene	4.37	Monoterpene
Methallyl isobutyrate	0.63	Aliphatic ester
Isobutyl methacrylate	1.38	Aliphatic ester
Camphepane	0.59	Monoterpene
Propyl 2-methylbutyrate	0.02	Aliphatic ester
Thuja-2,4(10)-diene	0.06	Monoterpene
Propyl isovalerate	0.05	Aliphatic ester
Benzaldehyde	0.07	Simple phenolic
Butyl isobutyrate	0.03	Aliphatic ester
Methallyl methacrylate	0.97	Aliphatic ester
Isobutyl butyrate	0.01	Aliphatic ester
Sabinene	0.08	Monoterpene
β-Pinene	0.46	Monoterpene
Butyl methacrylate	0.05	Aliphatic ester
Octen-3-ol	0.08	Aliphatic alcohol
3-Methylpentyl acetate	0.27	Aliphatic ester
Dehydro-1,8-cineole	0.03	Monoterpenic ether
6-Methyl-5-hepten-2-one	0.02	Aliphatic ketone
Myrcene	0.04	Monoterpene
2-Pentylfuran	0.07	Furan
Propyl angelate	0.69	Aliphatic ester
Isobutyl 2-methylbutyrate	0.99	Aliphatic ester
Δ3-Carene	0.04	Monoterpene
Isobutyl isovalerate	0.15	Aliphatic ester
Isoamyl isobutyrate	0.47	Aliphatic ester
Methallyl 2-methylbutyrate	0.28	Aliphatic ester
2-Methylbutyl isobutyrate	1.46	Aliphatic ester
para-Cymene	0.21	Monoterpene
Methallyl isovalerate?	0.07	Aliphatic ester
3-Methyl-3-but enyl isobutyrate?	tr	Aliphatic ester
Limonene	1.18	Monoterpene
Unknown	0.03	Unknown
2-Methylbutyl methacrylate	0.87	Aliphatic ester
Isoamyl methacrylate	1.17	Aliphatic ester
(E)-β-Ocimene	0.02	Monoterpene
Isobutyl angelate	12.55	Aliphatic ester
γ-Terpinene	0.06	Monoterpene
Tiglyl isobutyrate?	0.03	Aliphatic ester
Prenyl isobutyrate	0.31	Aliphatic ester
Unknown	0.04	Unknown
Methallyl angelate	9.72	Aliphatic ester
Isobutyl senecioate	0.09	Aliphatic ester
3-Methylpentyl propionate?	0.02	Aliphatic ester
para-Cymenene	0.04	Monoterpene
Amyl methacrylate	0.02	Aliphatic ester
Tiglyl methacrylate	0.21	Aliphatic ester
Butyl angelate	0.45	Aliphatic ester
Isobutyl tiglate	0.10	Aliphatic ester
2-Methylbutyl isovalerate?	0.02	Aliphatic ester
Linalool	0.04	Monoterpenic alcohol

α -Thujone	0.03	Monoterpenic ketone
Isoamyl 2-methylbutyrate	0.17	Aliphatic ester
Isoamyl isovalerate	0.18	Aliphatic ester
2-Methylbutyl 2-methylbutyrate	0.71	Aliphatic ester
Amyl isovalerate	0.06	Aliphatic ester
2-Methylbutyl isovalerate	0.16	Aliphatic ester
Methallyl tiglate	0.10	Aliphatic ester
3-Methylpentyl isobutyrate	1.55	Aliphatic ester
α -Campholenal	0.14	Monoterpenic aldehyde
<i>trans</i> -Pinocarveol	7.13	Monoterpenic alcohol
<i>trans</i> -Verbenol	0.03	Monoterpenic alcohol
Camphepane hydrate	0.33	Monoterpenic alcohol
3-Methylpentyl methacrylate	2.52	Aliphatic ester
Isoamyl angelate	5.43	Aliphatic ester
Pinocarvone	4.16	Monoterpenic ketone
2-Methylbutyl angelate	8.39	Aliphatic ester
Unknown	0.12	Oxygenated monoterpene
Borneol	0.04	Monoterpenic alcohol
Benzyl acetate	0.32	Phenolic ester
Angelyl angelate?	0.43	Aliphatic ester
Isopinocamphone	0.24	Monoterpenic ketone
Terpinen-4-ol	0.06	Monoterpenic alcohol
Hexyl methacrylate?	0.04	Aliphatic ester
Isobutyl 3-hydroxy-2-methylenebutyrate	0.13	Aliphatic ester
para-Cymen-8-ol	0.03	Monoterpenic alcohol
α -Terpineol	0.22	Monoterpenic alcohol
Myrtenal	0.84	Monoterpenic aldehyde
Amyl angelate	0.08	Aliphatic ester
Myrtenol	0.27	Monoterpenic alcohol
2-Methylbutyl tiglate	0.24	Aliphatic ester
Tiglyl angelate	0.79	Aliphatic ester
Verbenone	0.08	Monoterpenic ketone
3-Methylpentyl 2-methylbutyrate?	0.80	Aliphatic ester
3-Methylpentyl isovalerate?	0.06	Aliphatic ester
<i>trans</i> -Carveol	0.03	Monoterpenic alcohol
4-Methylhexyl isobutyrate	0.02	Aliphatic ester
Myrtenyl formate?	0.02	Monoterpenic ester
Carvone	0.03	Monoterpenic ketone
2-Hydroxy-2-methylbut-3-enyl angelate	0.40	Aliphatic ester
3-Methylpentyl angelate	12.89	Aliphatic ester
Linalyl acetate	0.02	Monoterpenic ester
(3Z)-Hexenyl angelate	0.09	Aliphatic ester
2-Methylbutyl 3-hydroxy-2-methylenebutyrate	0.06	Aliphatic ester
Bornyl acetate	0.01	Monoterpenic ester
Isoamyl 3-hydroxy-2-methylenebutyrate	0.08	Aliphatic ester
Hexyl angelate	0.10	Aliphatic ester
<i>trans</i> -Pinocarvyl acetate	0.03	Monoterpenic ester
3-Methylpentyl tiglate	0.10	Aliphatic ester
Benzyl isobutyrate	0.03	Phenolic ester
(2E,4E)-Decadienal	0.01	Aliphatic aldehyde
7 β H-Silphiperfol-5-ene	0.03	Sesquiterpene
Unknown	0.06	Unknown

Laboratoire
PhytoChemia

Plus que des analyses... des conseils

Silphiperfol-5-ene analog	0.01	Sesquiterpene
Cyclosativene I	0.03	Sesquiterpene
Cyclosativene II	0.03	Sesquiterpene
Neryl acetate	0.02	Monoterpenic ester
α -Copaene	0.08	Sesquiterpene
Isobutyl phenylacetate	0.02	Phenolic ester
4-Methylpentyl 3-hydroxy-2-methylenebutyrate	0.11	Aliphatic ester
β -Elemene	0.02	Sesquiterpene
Phenylethyl isobutyrate	0.02	Phenolic ester
β -Caryophyllene	0.08	Sesquiterpene
Myrtenyl propionate?	0.01	Monoterpenic ester
trans- α -Bergamotene	0.01	Sesquiterpene
Benzyl angelate	0.03	Phenolic ester
α -Humulene	0.03	Sesquiterpene
(E)- β -Farnesene	0.22	Sesquiterpene
Myrtenyl isobutyrate	0.02	Monoterpenic ester
Germacrene D	0.43	Sesquiterpene
β -Selinene	0.08	Sesquiterpene
ar-Curcumene	0.13	Sesquiterpene
Bicyclogermacrene	0.01	Sesquiterpene
α -Selinene	0.02	Sesquiterpene
(3Z,6E)- α -Farnesene	0.32	Sesquiterpene
(3E,6E)- α -Farnesene	0.16	Sesquiterpene
Unknown	0.02	Oxygenated sesquiterpene
δ -Cadinene	0.03	Sesquiterpene
β -Sesquiphellandrene	0.22	Sesquiterpene
Matricaria ester isomer I	0.20	Polyyne ester
Spathulenol	0.03	Sesquiterpenic alcohol
Caryophyllene oxide	0.03	Sesquiterpenic ether
Phenylethyl tiglate	0.01	Phenolic ester
Copaborneol	0.05	Sesquiterpenic alcohol
Unknown	0.02	Oxygenated sesquiterpene
Unknown	0.02	Oxygenated sesquiterpene
Unknown	0.01	Oxygenated sesquiterpene
Unknown	0.01	Oxygenated sesquiterpene
Unknown	0.01	Unknown
Xanthoxyline	0.01	Simple phenolic
Neophytadiene	0.03	Diterpene
Phytone	0.08	Terpenic ketone
Phytol	0.02	Diterpenic alcohol
Unknown	0.10	Unknown
Consolidated total	97.02%	

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.

Essential oil, *Anthemis nobilis*
Internal code: 21H17-ORA10

Roman Chamomile - United Kingdom - 3 years

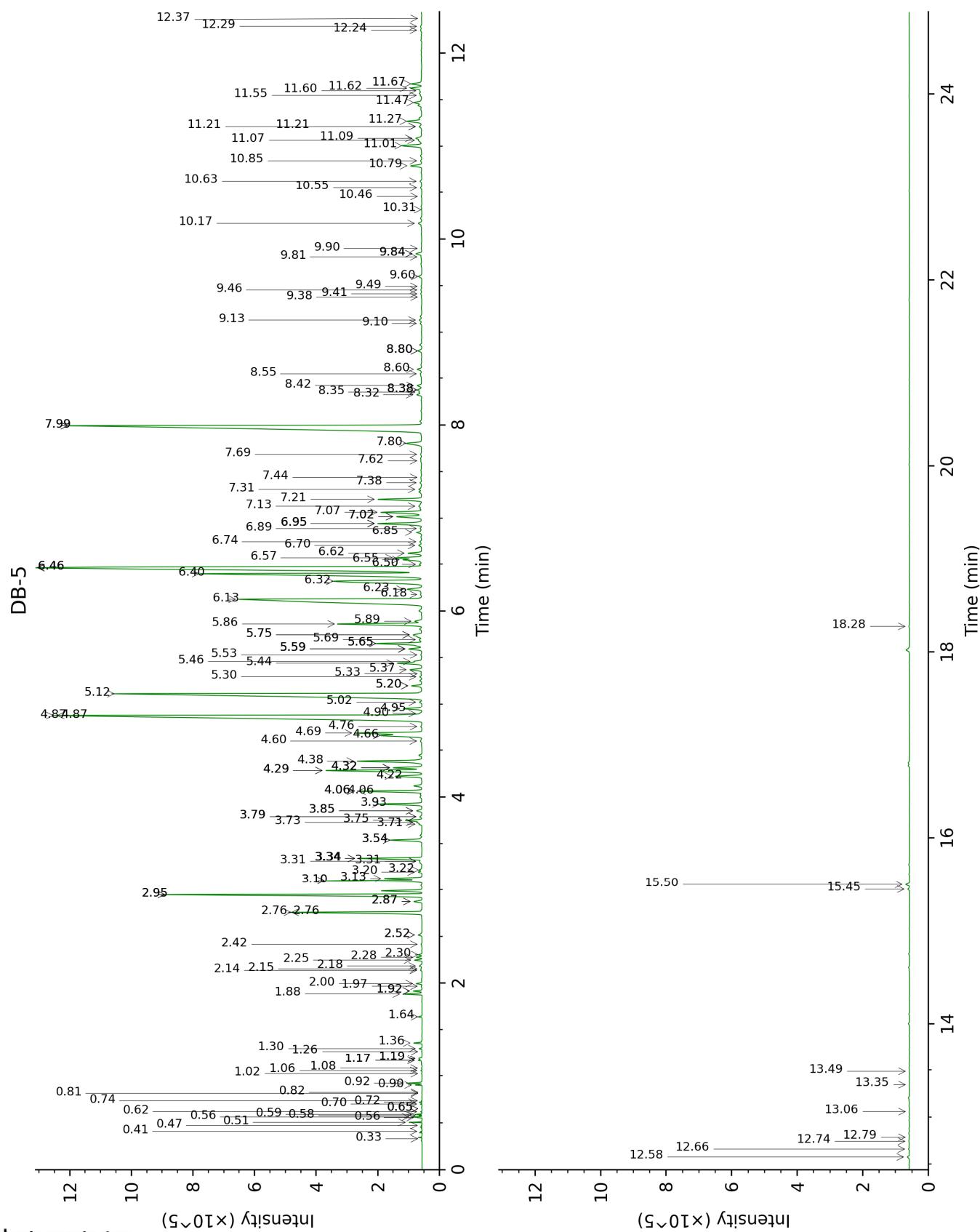
Report prepared for
Organic Aromas Inc.

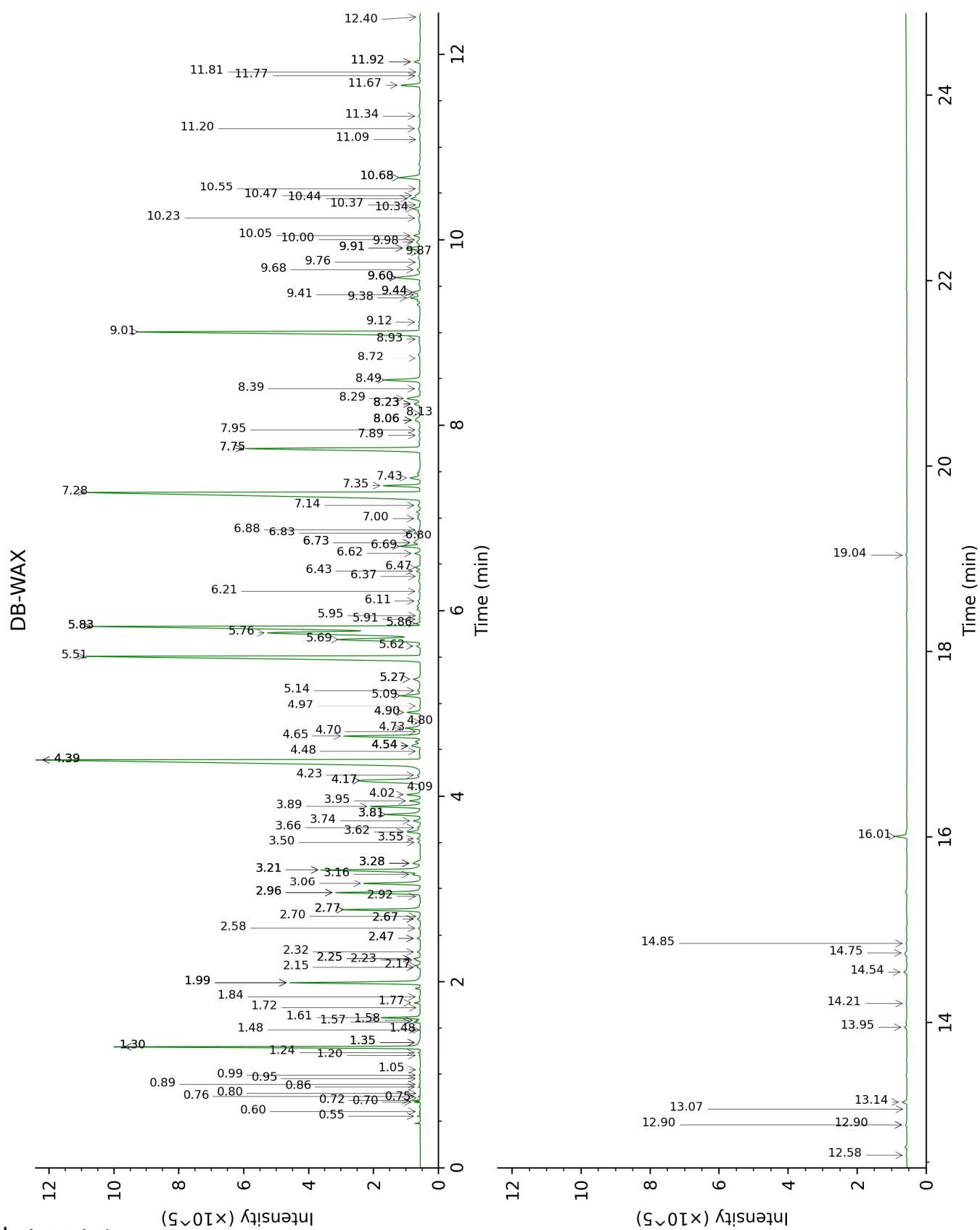
Laboratoire
PhytoChemia

Plus que des analyses... des conseils

Page 7/16

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





FULL ANALYSIS DATA

Identification	Column DB-5			Column DB-WAX		
	R.T	R.I	%	R.T	R.I	%
Ethanol	0.33	499	tr	0.80	907	tr
Methacrolein	0.41	548	0.01	0.60	842	0.01
2-Methyl-3-buten-2-ol	0.47	607	0.01	1.48*	1013	0.01
Isobutanol	0.51	619	0.07	1.99*	1065	2.53
Methallyl alcohol	0.56	639	0.02	3.21*	1170	2.27
Isovaleral	0.56	641	0.07	0.72	886	0.06
3-Methyl-2-butanone	0.58	647	0.02	0.76	901	0.02
2-Methylbutyral	0.59	651	0.04	0.70	880	0.04
3-Methyl-3-buten-2-one	0.62	663	0.01	1.05	950	0.01
3-Methyl-2-butanol?	0.65*	675	tr			
Methyl isobutyrate	0.65*	675	[tr]	0.75	898	tr
Valeral	0.70	694	0.01	0.99	940	0.01
2-Ethylfuran	0.72	701	0.02	0.86	918	0.02
Methyl methacrylate	0.74	705	tr			
2-Methylbutanenitrile	0.82	717	tr			
2-Vinylfuran	0.82	719	tr	1.72	1037	0.01
Isoamyl alcohol	0.90	731	0.06	3.28*	1176	0.20
2-Methylbutanol	0.92	734	0.14	3.28*	1176	[0.20]
(2Z)-Pentenol	1.02	749	tr	4.80	1292	tr
Ethyl isobutyrate	1.06	754	0.01	0.95	933	0.01
Toluene	1.08	758	tr	1.35*	999	0.05
Isobutyl acetate	1.17*	771	0.05	1.24	982	0.03
Methyl isovalerate	1.17*	771	[0.05]	1.30*	993	4.39
Isobutyric acid	1.19*	774	0.05	7.95	1519	0.04
Methyl 2-methylbutyrate	1.19*	774	[0.05]	1.20	976	0.01
Ethyl methacrylate	1.26	786	tr	1.48*	1013	[0.01]
Octene	1.30	791	0.03	0.55	823	0.02
Hexanal	1.36	800	0.09	1.77	1043	0.09
Methyl angelate	1.64	826	0.04	2.23	1090	0.05
3-Methylpentanol	1.88	847	0.23	4.90*	1300	0.27
(2E)-Hexenal	1.92*	850	0.11	3.28*	1176	[0.20]
Ethyl 2-methylbutyrate	1.92*	850	[0.11]	1.57	1022	0.08
Propyl isobutyrate	1.97	854	0.01	1.58	1024	0.05
(3Z)-Hexenol	2.00	857	0.08	5.62	1346	0.08
Isobutyl propionate	2.14	869	0.02	1.84	1049	0.02
(2E)-Hexenol	2.15	870	0.02	5.95	1370	0.02
Hexanol	2.18	873	0.05	5.27*	1320	0.21
Isoamyl acetate	2.25	878	0.09	2.25*	1091	0.11
2-Methylbutyl acetate	2.28	881	0.07	2.25*	1091	[0.11]

Laboratoire
PhytoChemia

Plus que des analyses... des conseils

Propyl methacrylate	2.30	884	0.04	2.32	1098	0.05
Nonene	2.42	893	0.02	0.89	923	0.01
Heptanal	2.52*	902	0.08	2.92	1146	0.02
Ethyl angelate	2.52*	902	[0.08]	2.68*	1127	0.07
Isobutyl isobutyrate	2.76*	919	2.09	1.99*	1065	[2.53]
Tiglic acid	2.76*	919	[2.09]			
α -Thujene	2.87*	926	0.14	1.35*	999	[0.05]
Tiglyl acetate?	2.87*	926	[0.14]	3.74	1212	0.14
α -Pinene	2.95*†	932	5.00	1.30*	993	[4.39]
Methallyl isobutyrate	2.95*†	932	[5.00]	2.96*	1150	1.65
Isobutyl methacrylate	3.10*†	942	2.00	2.78*	1135	1.43
Camphene	3.10*†	942	[2.00]	1.62	1026	0.59
Propyl 2-methylbutyrate	3.13†	944	[2.00]	2.47*	1110	0.06
Thuja-2,4(10)-diene	3.20	948	0.06	2.16	1082	0.04
Propyl isovalerate	3.22	950	0.05	2.68*	1127	[0.07]
Benzaldehyde	3.31*†	956	1.05	7.14	1458	0.07
Butyl isobutyrate	3.31*†	956	[1.05]	2.58	1119	0.03
Methallyl methacrylate	3.34*†	958	[1.05]	3.89	1224	0.97
Isobutyl butyrate	3.34*†	958	[1.05]	2.70	1129	0.01
Sabinene	3.54*	971	0.54	2.17	1084	0.08
β -Pinene	3.54*	971	[0.54]	1.99*	1065	[2.53]
Butyl methacrylate	3.71	983	0.05	3.50	1194	0.04
Octen-3-ol	3.73	984	0.08	6.62	1419	0.12
3-Methylpentyl acetate	3.75	986	0.27	3.62	1203	0.29
Dehydro-1,8-cineole	3.79*	988	0.05	2.96*	1150	[1.65]
6-Methyl-5-hepten-2-one	3.79*	988	[0.05]	4.97	1299	0.02
Myrcene	3.85*	993	0.11	2.78*	1135	[1.43]
2-Pentylfuran	3.85*	993	[0.11]	3.55	1197	0.07
Propyl angelate	3.93	998	0.69	3.80*	1217	0.74
Isobutyl 2-methylbutyrate	4.06*†	1007	1.22	2.96*	1150	[1.65]
Δ 3-Carene	4.06*†	1007	[1.22]	2.47*	1110	[0.06]
Isobutyl isovalerate	4.06*†	1007	[1.22]	3.16	1166	0.15
Isoamyl isobutyrate	4.22	1017	0.47	3.21*	1170	[2.27]
Methallyl 2-methylbutyrate	4.28*	1021	1.73	4.02	1233	0.28
2-Methylbutyl isobutyrate	4.28*	1021	[1.73]	3.21*	1170	[2.27]
para-Cymene	4.32*	1022	0.47	3.95	1228	0.21
Methallyl isovalerate?	4.32*	1022	[0.47]	4.23	1249	0.07
3-Methyl-3-butenoyl isobutyrate?	4.32*	1022	[0.47]	4.09	1238	tr
Limonene	4.38	1027	1.18	3.06	1158	1.10

Unknown [m/z 43, 41 (84), 71 (62), 69 (59), 68 (51), 67 (48), 93 (41)...156 (4)]	4.60	1041	0.03			
2-Methylbutyl methacrylate	4.66	1044	0.87	4.17*	1244	2.10
Isoamyl methacrylate	4.69	1046	1.17	4.17*	1244	[2.10]
(E)- β -Ocimene	4.76	1050	0.02	3.80*	1217	[0.74]
Isobutyl angelate	4.87*	1058	12.61	4.39*	1261	13.43
γ -Terpinene	4.87*	1058	[12.61]	3.66	1206	0.06
Tiglyl isobutyrate?	4.90	1059	0.03	4.70	1284	0.02
Prenyl isobutyrate	4.95	1063	0.31	4.73	1287	0.32
Unknown [m/z 71, 43 (28), 41 (21), 57 (19), 98 (11)... 116 (4), 129 (1), 156 (t)]	5.02	1067	0.04	6.80	1432	0.03
Methallyl angelate	5.12	1073	9.72	5.51	1338	9.63
Isobutyl senecioate	5.20*	1078	0.18	5.14	1311	0.09
3-Methylpentyl propionate?	5.20*	1078	[0.18]	4.48	1268	0.02
para-Cymenene	5.30	1085	0.04	6.21	1389	0.03
Amyl methacrylate	5.33	1087	0.02	4.90*	1300	[0.27]
Tiglyl methacrylate	5.37	1089	0.21	5.83*	1361	9.41
Butyl angelate	5.44	1094	0.45	5.09	1307	0.42
Isobutyl tiglate	5.46	1095	0.10	5.27*	1320	[0.21]
2-Methylbutyl isovalerate?	5.53	1100	0.02	4.54*	1272	0.24
Linalool	5.60*	1104	0.24	7.89	1515	0.04
α -Thujone	5.60*	1104	[0.24]	5.91	1367	0.03
Isoamyl 2-methylbutyrate	5.60*	1104	[0.24]	4.39*	1261	[13.43]
Isoamyl isovalerate	5.65*	1107	0.89	4.54*	1272	[0.24]
2-Methylbutyl 2-methylbutyrate	5.65*	1107	[0.89]	4.39*	1261	[13.43]
Amyl isovalerate	5.69	1110	0.06	4.54*	1272	[0.24]
2-Methylbutyl isovalerate	5.75*†	1113	0.27	4.54*	1272	[0.24]
Methallyl tiglate	5.75*†	1113	[0.27]	6.47	1408	0.10
3-Methylpentyl isobutyrate	5.86	1121	1.55	4.65	1281	1.56
α -Campholenal	5.89	1123	0.14	6.83	1435	0.17
trans-Pinocarveol	6.13	1138	7.13	9.01	1602	6.99
trans-Verbenol	6.18	1141	0.03	9.41†	1634	0.21
Campheene hydrate	6.23	1145	0.33	8.29	1546	0.37
3-Methylpentyl methacrylate	6.32	1150	2.52	5.69	1351	2.46
Isoamyl angelate	6.40	1155	5.43	5.76	1356	5.55
Pinocarvone	6.46*	1159	12.95	7.75*	1504	4.26
2-Methylbutyl angelate	6.46*	1159	[12.95]	5.83*	1361	[9.41]

Unknown [m/z 96, 95 (72), 67 (45), 41 (42), 55 (32), 70 (27)... 152 (t)]	6.46*	1159	[12.95]	9.98	1680	0.12
Borneol	6.50	1162	0.04	9.60*	1650	0.69
Benzyl acetate	6.55	1165	0.32	9.91*	1675	0.33
Angelyl angelate?	6.57	1166	0.43	6.69	1425	0.44
Isopinocamphone	6.62	1169	0.24	7.44	1480	0.25
Terpinen-4-ol	6.70	1175	0.06	8.39	1554	0.05
Hexyl methacrylate?	6.74	1177	0.04			
Isobutyl 3-hydroxy-2-methylenecutyrate	6.85	1184	0.13	10.68*	1739	0.56
para-Cymen-8-ol	6.89	1187	0.03	11.34	1795	0.04
α-Terpineol	6.95*	1190	0.89	9.60*	1650	[0.69]
Myrtenal	6.95*	1190	[0.89]	8.49	1561	0.84
Amyl angelate	6.95*	1190	[0.89]	6.43	1405	0.08
Myrtenol	7.02*	1195	0.50	10.68*	1739	[0.56]
2-Methylbutyl tiglate	7.02*	1195	[0.50]	6.73*	1427	0.26
Tiglyl angelate	7.07	1198	0.79	7.35	1474	0.70
Verbenone	7.13	1202	0.08	9.44*†	1637	[0.21]
3-Methylpentyl 2-methylbutyrate?	7.20	1207	0.80	5.83*	1361	[9.41]
3-Methylpentyl isovalerate?	7.31	1214	0.06	5.86	1364	0.07
trans-Carveol	7.38	1219	0.03	11.20	1784	0.04
4-Methylhexyl isobutyrate	7.44	1223	0.02			
Myrtenyl formate?	7.62	1235	0.02	8.72	1580	0.02
Carvone	7.69	1239	0.03	9.87	1672	0.03
2-Hydroxy-2-methylbut-3-enyl angelate	7.80	1247	0.40	11.67	1825	0.41
3-Methylpentyl angelate	7.99*	1260	13.06	7.28	1468	12.89
Linalyl acetate	7.99*	1260	[13.06]	8.06*	1528	0.21
(3Z)-Hexenyl angelate	8.32	1282	0.09	8.06*	1528	[0.21]
2-Methylbutyl 3-hydroxy-2-methylenecutyrate	8.35	1284	0.06	11.92*	1847	0.13
Bornyl acetate	8.38*	1286	0.09	8.13	1533	0.01
Isoamyl 3-hydroxy-2-methylenecutyrate	8.38*	1286	[0.09]	11.92*	1847	[0.13]
Hexyl angelate	8.42	1289	0.10	7.75*	1504	[4.26]
trans-Pinocarvyl acetate	8.55	1297	0.03	8.93	1596	0.03
3-Methylpentyl tiglate	8.60	1301	0.10	8.06*	1528	[0.21]

Benzyl isobutyrate	8.80*	1315	0.08	10.55	1728	0.03
(2E,4E)-Decadienal	8.80*	1315	[0.08]	11.08	1774	0.01
7 β H-Silphiperfol-5-ene	9.10	1336	0.03	6.10	1381	0.06
Unknown [m/z 83, 55 (79), 82 (26), 43 (25), 45 (18), 69 (15)...166 (8)]	9.13	1338	0.06	13.95	2034	0.05
Silphiperfol-5-ene analog	9.38	1356	0.01	6.37	1400	0.02
Cyclosativene I	9.41	1358	0.03	6.73*	1427	[0.26]
Cyclosativene II	9.46	1361	0.03	6.88	1438	0.03
Neryl acetate	9.49	1364	0.02	10.00	1682	0.02
α -Copaene	9.60	1371	0.08	7.00	1447	0.06
Isobutyl phenylacetate	9.81	1386	0.02	11.77	1834	0.04
4-Methylpentyl 3-hydroxy-2-methylenebutyrate	9.84*	1389	0.12	13.14	1958	0.11
β -Elemene	9.84*	1389	[0.12]	8.23*	1541	0.14
Phenylethyl isobutyrate	9.90	1392	0.02	11.81	1837	0.01
β -Caryophyllene	10.17	1412	0.08	8.23*	1541	[0.14]
Myrtenyl propionate?	10.32	1423	0.01			
<i>trans-a</i> -Bergamotene	10.46	1434	0.01	8.23*	1541	[0.14]
Benzyl angelate	10.55	1440	0.03	12.90*	1936	0.05
α -Humulene	10.63	1446	0.03	9.12	1611	0.04
(E)- β -Farnesene	10.79	1458	0.22	9.38	1632	0.22
Myrtenyl isobutyrate	10.85	1462	0.02	10.37	1714	0.02
Germacrene D	11.01	1475	0.43	9.60*	1650	[0.69]
β -Selinene	11.07	1479	0.08	9.68	1656	0.08
ar-Curcumene	11.09	1480	0.13	10.47	1722	0.14
Bicyclogermacrene	11.21*	1490	0.06	9.91*	1675	[0.33]
α -Selinene	11.21*	1490	[0.06]	9.76	1663	0.02
(3Z,6E)- α -Farnesene	11.27	1494	0.32	10.05	1686	0.14
(3E,6E)- α -Farnesene	11.47	1509	0.16	10.34	1710	0.17
Unknown [m/z 95, 124 (75), 109 (75), 43 (73), 137 (67), 81 (67), 149 (48)...222 (25)]	11.55	1515	0.02	13.07	1951	0.01
δ -Cadinene	11.60	1519	0.03	10.23	1702	0.08
β -Sesquiphellandrene	11.62	1521	0.22	10.44	1719	0.25
Matricaria ester isomer I	11.67	1525	0.20	16.01	2240	0.23
Spathulenol	12.24	1570	0.03	14.21	2059	0.02
Caryophyllene oxide	12.29	1574	0.03	12.58	1906	0.03

Phenylethyl tiglate	12.37	1580	0.01	14.85	2122	0.03
Copaborneol	12.58	1596	0.05	14.75	2112	0.06
Unknown [m/z 203, 218 (33), 161 (22), 91 (20), 204 (16)]	12.66	1603	0.02	12.90*	1936	[0.05]
Unknown [m/z 105, 131 (96), 91 (95), 93 (84), 159 (82), 43 (70)...220 (6)]	12.74	1610	0.02			
Unknown [m/z 43, 79 (41), 93 (39), 41 (39), 91 (38), 81 (36)... 220 (3)]	12.79	1613	0.01			
Unknown [m/z 43, 79 (65), 91 (64), 80 (63), 93 (60), 81 (59)...220 (5)]	13.06	1636	0.01			
Unknown [m/z 81, 41 (46), 79 (46), 93 (39), 91 (33), 107 (33)... 206 (8)]	13.35	1660	0.01			
Xanthoxyline	13.49	1672	0.01			
Neophytadiene	15.45	1842	0.03	12.40	1890	0.02
Phytone	15.50	1846	0.08	14.54	2091	0.07
Phytol	18.28	2113	0.02	19.04	2573	0.03
Unknown [m/z 71, 43 (53), 41 (20), 119 (19)...]				9.44*†	1637	[0.21]
Total identified	97.29%			96.84%		
Total reported	97.51%			97.05%		

*: 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