Date : 2026-05-04

Certificate of Analysis - GC Profiling

Sample Identification

Internal code : 26D16-PTH03
Customer Identification : Blue Tansy ORGANIC - Morocco - BH0109
Type : Essential Oil
Source : *Tanacetum annuum*
Customer : Plant Therapy

Checked an approved by:

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

Notes: This report may not be published, including online, without the written consent from Laboratoire PhytoChemia.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. The compliance status of the sample is provided to facilitate the reading of the report. The client remains ultimately responsible for reviewing the results presented within this report and to establish compliance of the tested batch against relevant quality criteria.

This report is an update of the version first issued on 2026-04-20 to make a correction in the sample identification section.

Méthode certifiée ISO 17025:2017 Certified method

Laboratoire PhytoChemia

628 Boulevard du Saguenay Ouest, Saguenay (Qc) G7J 1H4 | www.phytochemia.com

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 : 2026-04-17

Physicochemical data

Refractive index : 1.5049 ± 0.0003 (20 °C)
Method : PC-MAT-016 - Measure of the refractive index of a liquid.
Analyst : Cindy Caron B. Sc.
Date : 2026-04-16

Conclusion

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

628 Boulevard du Saguenay, Saguenay (Qc) G7J 1H4 | www.phytochemia.com

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
2-Methylbutanol	0.01	Aliphatic alcohol
Toluene	tr	Simple phenolic
Methyl 2-methylbutyrate	tr	Aliphatic ester
Unknown	tr	Unknown
Unknown	0.01	Unknown
Hexanal	tr	Aliphatic aldehyde
Ethyl 2-methylbutyrate	0.06	Aliphatic ester
Ethyl isovalerate	0.02	Aliphatic ester
Propyl isobutyrate	0.02	Aliphatic ester
Hexanol	0.01	Aliphatic alcohol
Hashishene	0.01	Monoterpene
Tricyclene	0.05	Monoterpene
Ethyl tiglate?	0.03	Aliphatic ester
α-Thujene	0.29	Monoterpene
α-Pinene	2.72	Monoterpene
Thujadiene isomer	0.01	Monoterpene
α-Fenchene	0.01	Monoterpene
Camphene	0.82	Monoterpene
Propyl 2-methylbutyrate	0.07	Aliphatic ester
Thuja-2,4(10)-diene	0.01	Monoterpene
Propyl isovalerate	0.01	Aliphatic ester
Sabinene	19.27	Monoterpene
β-Pinene	6.49	Monoterpene
6-Methyl-5-hepten-2-one	0.06	Aliphatic ketone
2-Pentylfuran	0.02	Furan
Myrcene	6.22	Monoterpene
Menthatriene isomer I	0.01	Monoterpene
α-Phellandrene	5.94	Monoterpene
Octanal	0.03	Aliphatic aldehyde
Δ3-Carene	0.02	Monoterpene
α-Terpinene	0.60	Monoterpene
Isoamyl isobutyrate	0.02	Aliphatic ester
para-Cymene	4.60	Monoterpene
Limonene	2.15	Monoterpene
β-Phellandrene	0.34	Monoterpene
1,8-Cineole	0.31	Monoterpenic ether
(*Z*)-β-Ocimene	0.01	Monoterpene
Butyl 2-methylbutyrate	0.02	Aliphatic ester

Butyl isovalerate	[0.04]	Aliphatic ester
(*E*)-β-Ocimene	[0.04]	Monoterpene
γ-Terpinene	1.05	Monoterpene
Prenyl isobutyrate	0.01	Aliphatic ester
cis-Sabinene hydrate	0.10	Monoterpenic alcohol
Octanol	0.06	Aliphatic alcohol
Terpinolene	0.43	Monoterpene
para-Cymenene	0.03	Monoterpene
6,7-Epoxymyrcene	0.36	Monoterpenic ether
trans-Sabinene hydrate	0.06	Monoterpenic alcohol
Linalool	0.17	Monoterpenic alcohol
Nonanal	0.06	Aliphatic aldehyde
2-Methylbutyl 2-methylbutyrate	0.10	Aliphatic ester
Amyl isovalerate	0.02	Aliphatic ester
cis-para-Menth-2-en-1-ol	0.09	Monoterpenic alcohol
Unknown	0.23	Unknown
α-Campholenal	0.04	Monoterpenic aldehyde
Limona ketone	0.42	Normonoterpenic ketone
trans-Pinocarveol	0.04	Monoterpenic alcohol
Camphor	7.73	Monoterpenic ketone
α,4-Dimethyl-3-cyclohexene-1-methanol	0.12	Normonoterpenic alcohol
Citronellal	0.06	Monoterpenic aldehyde
Pinocarvone	0.01	Monoterpenic ketone
Borneol	2.29	Monoterpenic alcohol
Unknown	0.03	Oxygenated monoterpene
Unknown	0.07	Oxygenated monoterpene
Terpinen-4-ol	1.70	Monoterpenic alcohol
Unknown	0.06	Unknown
para-Cymen-8-ol	0.05	Monoterpenic alcohol
α-Terpineol	0.20	Monoterpenic alcohol
Myrtenal	0.04	Monoterpenic aldehyde
Unknown	0.06	Unknown
Myrtenol	0.05	Monoterpenic alcohol
cis-α-Phellandrene epoxide (iPr vs Me)	0.11	Monoterpenic ether
Decanal	0.06	Aliphatic aldehyde
trans-Carveol	0.04	Monoterpenic alcohol
Unknown	0.06	Oxygenated monoterpene
(3*Z*)-Hexenyl 2-methylbutyrate	0.01	Aliphatic ester
Hexyl 2-methylbutyrate	0.05	Aliphatic ester
Cuminal	0.26	Monoterpenic aldehyde
Pulegone	0.04	Monoterpenic ketone
Neral	0.02	Monoterpenic aldehyde
Carvotanacetone	0.05	Monoterpenic ketone
Piperitone	0.08	Monoterpenic ketone
Phellandral	0.08	Monoterpenic aldehyde

α-Terpinen-7-al	0.02	Monoterpenic aldehyde
Bornyl acetate	0.03	Monoterpenic ester
Cuminol	0.04	Monoterpenic alcohol
Thymol	0.73	Monoterpenic alcohol
4-Methylhexyl 2-methylbutyrate	0.08	Aliphatic ester
Carvacrol	0.05	Monoterpenic alcohol
6-Hydroxycarvotanacetone	0.03	Monoterpenic alcohol
para-Menth-5-en-1,2-diol isomer III	0.01	Monoterpenic alcohol
1,4-*para*-Menthadien-7-ol	0.05	Monoterpenic alcohol
Bicycloelemene	0.05	Sesquiterpene
α-Cubebene	0.01	Sesquiterpene
α-Terpinyl acetate	0.03	Monoterpenic ester
Modhephene	0.02	Sesquiterpene
α-Copaene	0.05	Sesquiterpene
(*E*)-β-Damascenone	0.04	Apocarotenoid
7-epi-Sesquithujene?	0.04	Sesquiterpene
β-Elemene	0.29	Sesquiterpene
α-Cedrene	0.01	Sesquiterpene
β-Caryophyllene	1.77	Sesquiterpene
β-Copaene	0.01	Sesquiterpene
Octyl 2-methylbutyrate	0.07	Aliphatic ester
trans-α-Bergamotene	0.06	Sesquiterpene
Sesquisabinene A	0.77	Sesquiterpene
α-Humulene	0.17	Sesquiterpene
(*E*)-β-Farnesene	0.09	Sesquiterpene
4,5-diepi-Aristolochene	0.08	Sesquiterpene
Dehydrosesquicineole	0.06	Sesquiterpenic ether
γ-Muurolene	0.03	Sesquiterpene
Germacrene D	1.35	Sesquiterpene
β-Selinene	0.28	Sesquiterpene
γ-Curcumene	0.04	Sesquiterpene
ar-Curcumene	0.25	Sesquiterpene
Phenylethyl isovalerate	0.05	Phenolic ester
Valencene	0.04	Sesquiterpene
Bicyclogermacrene	0.24	Sesquiterpene
Phenylethyl 2-methylbutyrate	0.08	Phenolic ester
δ-Guaiene	0.10	Sesquiterpene
β-Curcumene	0.03	Sesquiterpene
γ-Cadinene	0.18	Sesquiterpene
3,6-Dihydrochamazulene	2.87	Azulene
Dihydrochamazulene isomer I	0.63	Azulene
δ-Cadinene	0.10	Sesquiterpene
Dihydrochamazulene isomer II	0.02	Azulene
β-Sesquiphellandrene	0.56	Sesquiterpene
Dihydrochamazulene isomer III	0.03	Azulene

Phenylethyl angelate?	0.05	Phenolic ester
Isocaryophyllene epoxide B	0.02	Sesquiterpenic ether
α-Elemol	0.08	Sesquiterpenic alcohol
(*E*)-Nerolidol	0.06	Sesquiterpenic alcohol
Spathulenol	0.08	Sesquiterpenic alcohol
Caryophyllene oxide	0.41	Sesquiterpenic ether
Caryophyllene oxide isomer	0.02	Sesquiterpenic ether
10-epi-Junenol	0.02	Sesquiterpenic alcohol
Humulene epoxide II	0.04	Sesquiterpenic ether
Junenol	0.03	Sesquiterpenic alcohol
5,6-Dihydrochamazulene	0.31	Azulene
Unknown	0.04	Sesquiterpene
γ-Eudesmol	0.17	Sesquiterpenic alcohol
7,12-Dehydro-5,6,7,8-tetrahydrochamazulene	1.46	Azulene
Eremoligenol	0.07	Sesquiterpenic alcohol
τ-Cadinol	0.03	Sesquiterpenic alcohol
β-Eudesmol	0.72	Sesquiterpenic alcohol
Dihydrochamazulene isomer IV	1.05	Azulene
α-Eudesmol	0.03	Sesquiterpenic alcohol
(3*E*,5*E*)-7-Hydroxyfarnesene	0.04	Sesquiterpenic alcohol
Unknown	0.12	Azulene
Chamazulene	8.37	Azulene
α-Phellandrene dimer II	0.06	Diterpene
Dehydrochamazulene	0.05	Azulene
Phytone	0.12	Terpenic ketone
meta-Camphorene	0.03	Diterpene
para-Camphorene	0.01	Diterpene
9-(15,16-Dihydro-15-methyleneneryl)-*para*-cymene?	0.04	Homoditerpene
9-(15,16-Dihydro-15-methyleneneryl)-α-terpinene?	0.23	Homoditerpene
9-(15,16-Dihydro-15-methylenegeranyl)-α-terpinene	1.05	Homoditerpene
9-(15,16-Dihydro-15-methylenegeranyl)-*para*-cymene	0.33	Homoditerpene
Unknown	0.34	Unknown
Unknown	1.14	Unknown
Unknown	0.10	Unknown
Unknown	0.06	Unknown
Consolidated total	**95.27**	

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.

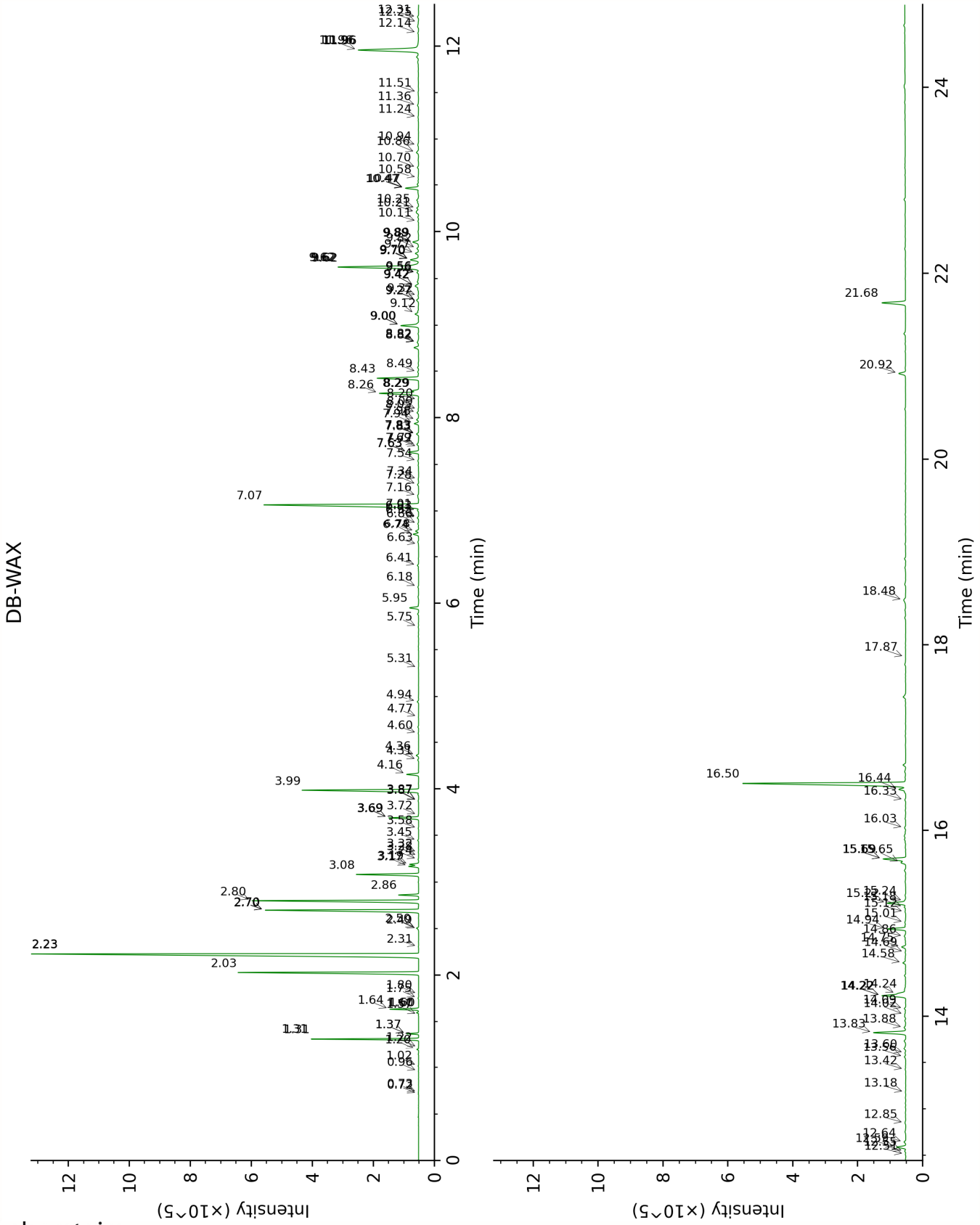
Unknowns: Unknown compounds' mass spectral data is presented in the "Full analysis data" table. The occurrence of unknown compounds is to be expected in many samples, and does not denote particular problems unless noted otherwise in the conclusion.

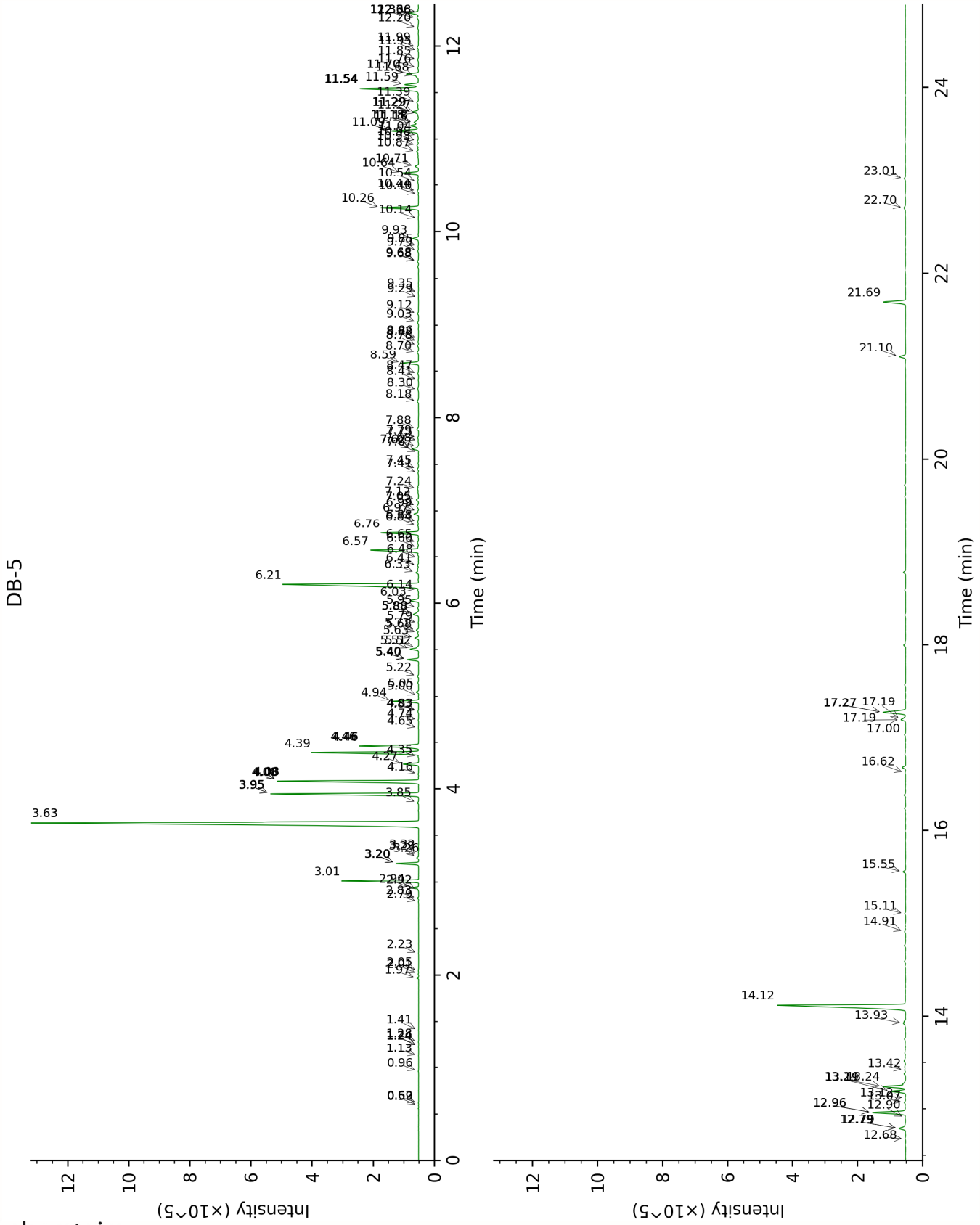
Bracketed value ([xx]): A bracketed percent value indicate that two or more compound percentage could not be solved due to coelution.

628 Boulevard du Saguenay, Saguenay (Qc) G7J 1H4 | www.phytochemia.com

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

628 Boulevard du Saguenay, Saguenay (Qc) G7J 1H4 | www.phytochemia.com


DB-WAX
Time (min)
Intensity (×10^5)
Time (min)
Intensity (×10^5)


DB-5
Time (min)
Intensity (×10^5)
Time (min)
Intensity (×10^5)

FULL ANALYSIS DATA

	Column DB-WAX			Column DB-5		
Isovaleral	0.74	888.3	0.01	0.59	643.4	tr
2-Methylbutyral	0.72	881.8	0.01	0.62	653.4	0.01
2-Methylbutanol	3.32	1177.3	0.01	0.96	735.1	0.01
Toluene	1.37*	1001.7	[0.29]	1.13	759.3	tr
Methyl 2-methylbutyrate	1.22	977.9	tr	1.24*	775.5	[0.01]
Unknown HEIT III [m/z 73, 41 (54), 87 (50), 56 (47), 54 (29), 55 (25), 100 (23)... 115? (6)]	0.96	935.8	tr	1.24*	775.5	[0.01]
Unknown HEIT II [m/z 73, 87 (52), 41 (45), 56 (42), 100 (29)...]	1.02	945.0	0.01	1.28	781.9	0.01
Hexanal	1.80	1045.5	0.01	1.41	800.3	tr
Ethyl 2-methylbutyrate	1.60*	1025.8	[0.05]	1.97	850.0	0.06
Ethyl isovalerate	1.75	1041.1	0.02	2.01	853.6	0.02
Propyl isobutyrate	1.60*	1025.8	[0.05]	2.05	856.6	0.02
Hexanol	5.31	1321.4	0.01	2.23	872.1	0.01
Hashishene	1.32*	992.5	[2.73]	2.79	916.3	0.01
Tricyclene	1.20	973.4	0.04	2.83	918.9	0.05
Ethyl tiglate?	3.45	1187.4	0.03	2.92	924.9	0.03
α-Thujene	1.37*	1001.7	[0.29]	2.94	926.4	0.29
α-Pinene	1.32*	992.5	[2.73]	3.01	931.4	2.72
Thujadiene isomer	2.31	1095.7	0.01	3.20*	943.9	[0.83]
α-Fenchene	1.57	1023.5	0.01	3.20*	943.9	[0.83]
Camphene	1.64	1029.6	0.82	3.20*	943.9	[0.83]
Propyl 2-methylbutyrate	2.50	1113.4	0.07	3.26	948.1	0.07
Thuja-2,4(10)-diene	2.23*	1087.9	[19.17]	3.29	950.2	0.01
Propyl isovalerate	2.70*	1128.5	[5.95]	3.32	951.9	0.01
Sabinene	2.23*	1087.9	[19.17]	3.64*	973.2	[25.76]
β-Pinene	2.03	1068.3	6.49	3.64*	973.2	[25.76]
6-Methyl-5-hepten-2-one	4.94	1298.8	0.05	3.85	987.7	0.06
2-Pentylfuran	3.58	1197.6	0.02	3.95*	994.3	[6.24]
Myrcene	2.80	1136.5	6.22	3.95*	994.3	[6.24]
Menthatriene isomer I	3.28	1174.2	0.01	4.08*	1003.5	[5.98]
α-Phellandrene	2.70*	1128.5	[5.95]	4.08*	1003.5	[5.98]
Octanal	4.31	1252.4	0.03	4.08*	1003.5	[5.98]
Δ3-Carene	2.49	1112.5	0.01	4.16	1008.3	0.02
α-Terpinene	2.86	1141.3	0.59	4.27	1015.1	0.60
Isoamyl isobutyrate	3.24	1171.4	0.02	4.35	1020.2	0.02
para-Cymene	3.99	1228.5	4.62	4.39	1023.1	4.60
Limonene	3.08	1158.7	2.15	4.46*	1027.5	[2.79]
β-Phellandrene	3.17	1165.4	0.34	4.46*	1027.5	[2.79]

1,8-Cineole	3.19	1167.1	0.31	4.46*	1027.5	[2.79]
(*Z*)-β-Ocimene	3.69*	1206.6	[1.06]	4.65	1039.6	0.01
Butyl 2-methylbutyrate	3.72	1208.7	0.01	4.74	1045.2	0.02
Butyl isovalerate	3.87*	1219.9	[0.03]	4.83*	1051.2	[0.04]
(*E*)-β-Ocimene	3.87*	1219.9	[0.03]	4.83*	1051.2	[0.04]
γ-Terpinene	3.69*	1206.6	[1.06]	4.94	1058.0	1.05
Prenyl isobutyrate	4.77	1286.7	0.01	5.00	1061.9	0.01
cis-Sabinene hydrate	6.78	1429.7	0.12	5.05	1064.8	0.10
Octanol	8.06	1526.9	0.08	5.22	1075.6	0.06
Terpinolene	4.16	1240.9	0.43	5.40*	1087.0	[0.47]
para-Cymenene	6.18	1385.0	0.03	5.40*	1087.0	[0.47]
6,7-Epoxymyrcene	5.95	1368.8	0.35	5.51	1094.2	0.36
trans-Sabinene hydrate	7.83*	1508.9	[0.09]	5.52	1095.2	0.06
Linalool	7.94	1517.7	0.17	5.63	1101.8	0.17
Nonanal	5.75	1353.6	0.02	5.68	1105.2	0.06
2-Methylbutyl 2-methylbutyrate	4.36	1256.0	0.09	5.71	1107.4	0.10
Amyl isovalerate	4.60	1273.5	0.02	5.79	1112.3	0.02
cis-para-Menth-2-en-1-ol	7.98	1521.0	0.09	5.88*	1118.3	[0.33]
Unknown TAAN I [m/z 71, 43 (95), 81 (82), 79 (73), 67 (67), 41 (49), 109 (14)...]	6.74	1427.1	0.23	5.88*	1118.3	[0.33]
α-Campholenal	6.86	1436.0	0.04	5.95	1122.7	0.04
Limona ketone	7.63*	1494.2	[0.43]	6.03	1127.9	0.42
trans-Pinocarveol	9.00*	1601.0	[0.82]	6.14	1135.3	0.04
Camphor	7.07	1451.5	7.81	6.20	1139.3	7.73
α,4-Dimethyl-3-cyclohexene-1-methanol				6.33	1147.5	0.12
Citronellal	6.93*	1441.0	[0.06]	6.41	1152.6	0.06
Pinocarvone	7.83*	1508.9	[0.09]	6.48	1157.3	0.01
Borneol	9.62*	1652.2	[4.05]	6.57	1163.3	2.29
Unknown CALU II [m/z 95, 110 (38), 81 (21), 79 (16)... 152 (7)]	7.54	1487.1	0.04	6.60	1164.9	0.03
Unknown CALU III [m/z 95, 110 (43), 81 (28), 41 (15)... 152 (8)]	7.63*	1494.2	[0.43]	6.65	1168.4	0.07
Terpinen-4-ol	8.43	1556.0	1.70	6.76	1175.5	1.70
Unknown EUDI I [m/z 69, 68 (65), 110 (51), 67 (39), 41 (27), 83 (26)...]	7.72	1500.5	0.10	6.84	1181.0	0.06
para-Cymen-8-ol	11.36	1799.0	0.06	6.88	1183.7	0.05
α-Terpineol	9.62*	1652.2	[4.05]	6.97	1189.1	0.20
Myrtenal	8.49	1561.2	0.04	6.99	1190.8	0.04

Unknown ABCO I [m/z 79, 107 (72), 41 (58), 55 (47), 77 (41), 67 (41)...]				7.05*	1194.5	[0.12]
Myrtenol	10.70	1741.6	0.05	7.05*	1194.5	[0.12]
cis-α-Phellandrene epoxide (iPr vs Me)	10.86	1755.5	0.13	7.12	1199.0	0.11
Decanal	7.16	1458.9	0.05	7.24	1206.6	0.06
trans-Carveol	11.24	1788.2	0.03	7.41	1218.3	0.04
Unknown TAAN II [m/z 93, 41 (68), 79 (67), 91 (66), 92 (57), 67 (42), 77 (41)... 150 (12)]				7.45	1221.3	0.06
(3*Z*)-Hexenyl 2-methylbutyrate	6.93*	1441.0	[0.06]	7.62	1232.9	0.01
Hexyl 2-methylbutyrate	6.41	1402.0	0.05	7.67*	1236.1	[0.31]
Cuminal	10.47*	1721.9	[0.58]	7.67*	1236.1	[0.31]
Pulegone	8.82*	1586.8	[0.07]	7.68	1237.2	0.04
Neral	9.32	1627.0	0.02	7.75	1241.6	0.02
Carvotanacetone	9.27*	1623.0	[0.10]	7.79	1244.3	0.05
Piperitone	9.77	1664.1	0.17	7.88	1250.7	0.08
Phellandral	9.82	1668.5	0.08	8.18	1271.1	0.08
α-Terpinen-7-al	10.58	1731.5	0.02	8.30	1279.6	0.02
Bornyl acetate	8.09	1529.8	0.02	8.41	1286.9	0.03
Cuminol	14.02	2043.0	0.04	8.47	1291.4	0.04
Thymol	14.94	2133.4	0.73	8.59	1299.3	0.73
4-Methylhexyl 2-methylbutyrate	7.28	1467.8	0.04	8.70	1307.3	0.08
Carvacrol	15.18	2157.1	0.06	8.78	1309.2	0.05
6-Hydroxycarvotanacetone	11.50	1811.1	0.02	8.82	1312.2	0.03
para-Menth-5-en-1,2-diol isomer III	15.01	2140.5	0.05	8.86	1314.6	0.01
1,4-*para*-Menthadien-7-ol	13.56	1998.7	0.06	9.03	1326.9	0.05
Bicycloelemene	6.93*	1441.0	[0.06]	9.12	1333.7	0.05
α-Cubebene	6.63	1418.8	0.01	9.29	1345.6	0.01
α-Terpinyl acetate	9.56*	1647.3	[0.07]	9.35	1349.5	0.03
Modhephene	7.34	1472.4	0.02	9.68*	1373.4	[0.06]
α-Copaene	7.01	1447.0	0.05	9.68*	1373.4	[0.06]
(*E*)-β-Damascenone	10.94	1762.3	0.05	9.79	1381.2	0.04
7-epi-Sesquithujene?	7.69	1498.3	0.01	9.85	1385.0	0.04
β-Elemene	8.29*	1545.3	[0.25]	9.93	1390.8	0.29
α-Cedrene	7.83*	1508.9	[0.09]	10.14	1406.0	0.01
β-Caryophyllene	8.26	1543.3	1.79	10.26	1414.8	1.77
β-Copaene	8.20	1538.1	0.02	10.40	1425.3	0.01

Octyl 2-methylbutyrate	8.82*	1586.8	[0.07]	10.44	1428.2	0.07
trans-α-Bergamotene	8.29*	1545.3	[0.25]	10.54	1435.7	0.06
Sesquisabinene A	9.00*	1601.0	[0.82]	10.64	1443.1	0.77
α-Humulene	9.12	1610.8	0.15	10.71	1448.6	0.17
(*E*)-β-Farnesene	9.42*	1635.4	[0.20]	10.87	1460.4	0.09
4,5-diepi-Aristolochene	9.27*	1623.0	[0.10]	10.93	1465.4	0.08
Dehydrosesquicineole	9.89*	1674.2	[0.29]	10.98	1468.9	0.06
γ-Muurolene	9.42*	1635.4	[0.20]	11.04	1473.1	0.03
Germacrene D	9.62*	1652.2	[4.05]	11.09	1477.1	1.35
β-Selinene	9.70*	1658.5	[0.41]	11.15*	1481.4	[0.46]
γ-Curcumene	9.56*	1647.3	[0.07]	11.15*	1481.4	[0.46]
ar-Curcumene	10.47*	1721.9	[0.58]	11.18*	1484.0	[0.30]
Phenylethyl isovalerate	12.85	1932.4	0.05	11.18*	1484.0	[0.30]
Valencene	9.70*	1658.5	[0.41]	11.27	1490.7	0.04
Bicyclogermacrene	9.89*	1674.2	[0.29]	11.29*	1492.4	[0.32]
Phenylethyl 2-methylbutyrate	12.64	1913.3	0.08	11.29*	1492.4	[0.32]
δ-Guaiene	9.70*	1658.5	[0.41]	11.39	1499.9	0.10
β-Curcumene	10.11	1692.3	0.03	11.54*	1511.4	[3.08]
γ-Cadinene	10.21	1700.3	0.18	11.54*	1511.4	[3.08]
3,6-Dihydrochamazulene	11.96*	1851.7	[3.58]	11.54*	1511.4	[3.08]
Dihydrochamazulene isomer I	11.96*	1851.7	[3.58]	11.59	1514.9	0.63
δ-Cadinene	10.25	1704.0	0.08	11.68	1522.2	0.10
Dihydrochamazulene isomer II	12.25	1878.2	0.02	11.70*	1523.8	[0.57]
β-Sesquiphellandrene	10.47*	1721.9	[0.58]	11.70*	1523.8	[0.57]
Dihydrochamazulene isomer III	12.14	1868.0	0.03	11.76	1528.9	0.03
Phenylethyl angelate?	14.08	2049.3	0.06	11.85	1536.0	0.05
Isocaryophyllene epoxide B	11.96*	1851.7	[3.58]	11.95	1543.4	0.02
α-Elemol	13.88	2029.6	0.08	11.99	1546.4	0.08
(*E*)-Nerolidol	13.60	2002.6	0.03	12.20	1563.0	0.06
Spathulenol	14.22*	2062.8	[1.15]	12.30	1571.4	0.08
Caryophyllene oxide	12.59	1908.2	0.41	12.36*	1575.6	[0.46]
Caryophyllene oxide isomer	12.51	1901.4	0.02	12.36*	1575.6	[0.46]
10-epi-Junenol	12.55	1904.4	0.05	12.38	1577.4	0.02
Humulene epoxide II	13.18	1963.3	0.02	12.68	1601.3	0.04
Junenol	13.42	1986.0	0.03	12.79*	1610.2	[0.41]
5,6-Dihydrochamazulene	14.24	2064.5	0.31	12.79*	1610.2	[0.41]
Unknown TAAN III [m/z 145, 173 (83), 159 (57), 174 (47), 129 (47), 115				12.90	1619.4	0.04

(44), 128 (43), 91 (43), 157 (36), 202 (30)]						
γ-Eudesmol	14.75	2113.9	0.17	12.96*	1624.3	[1.69]
7,12-Dehydro-5,6,7,8-tetrahydrochamazulene	13.83	2024.2	1.46	12.96*	1624.3	[1.69]
Eremoligenol	14.86	2125.5	0.08	13.07	1633.1	0.07
τ-Cadinol	14.69	2108.2	0.02	13.12	1637.3	0.03
β-Eudesmol	15.22	2161.4	0.86	13.19	1643.2	0.72
Dihydrochamazulene isomer IV	14.22*	2062.8	[1.15]	13.24*	1647.5	[1.08]
α-Eudesmol	15.12	2152.0	0.03	13.24*	1647.5	[1.08]
(3*E*,5*E*)-7-Hydroxyfarnesene	16.03	2244.4	0.06	13.42	1662.2	0.04
Unknown TAAN IV [m/z 143, 142 (92), 157 (79), 158 (61), 141 (59), 128 (57), 159 (43), 115 (41), 202 (41)]	18.48	2512.2	0.18	13.93	1704.7	0.12
Chamazulene	16.50	2294.4	8.37	14.12	1721.5	8.37
α-Phellandrene dimer II	12.31	1883.5	0.05	14.91	1790.4	0.06
Dehydrochamazulene	17.87	2443.2	0.02	15.10	1807.2	0.05
Phytone	14.58	2097.1	0.12	15.56	1848.3	0.12
meta-Camphorene	15.24	2163.7	0.04	16.62	1947.0	0.03
para-Camphorene	15.69*	2209.4	[1.09]	17.00	1983.1	0.01
9-(15,16-Dihydro-15-methyleneneryl)-*para*-cymene?	16.33	2275.7	0.04	17.19*	2001.5	[0.29]
9-(15,16-Dihydro-15-methyleneneryl)-α-terpinene?	15.65	2205.5	0.23	17.19*	2001.5	[0.29]
9-(15,16-Dihydro-15-methylenegeranyl)-α-terpinene	15.69*	2209.4	[1.09]	17.27*	2009.1	[1.38]
9-(15,16-Dihydro-15-methylenegeranyl)-*para*-cymene	16.44	2287.7	0.33	17.27*	2009.1	[1.38]
Unknown TAAN V analog I	20.92	2805.3	0.34	21.10	2415.6	0.34
Unknown TAAN V [m/z 186, 157 (37), 171 (18), 322 (15)]	21.68	2903.1	1.14	21.69	2484.6	1.14
Unknown TAAN V analog II				22.70	2605.3	0.10
Unknown TAAN V analog III				23.01	2644.7	0.06

Total reported	94.61%			95.57%		

*: 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

628 Boulevard du Saguenay, Saguenay (Qc) G7J 1H4 | www.phytochemia.com