Date : 2025-01-23

Certificate of Analysis - GC Profiling

Sample Identification

Internal code : 25A09-NSO03
Customer Identification : Melissa (Lemon Balm) - LB0186
Type : Essential Oil
Source : *Melissa officinalis*
Customer : Natural Sourcing LLC

Checked an approved by:

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Notes: This report may not be published, including online, without the written consent from Laboratoire PhytoChemia.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

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 : Sylvain Mercier, M. Sc., Chimiste 2014-005
Date : 2025-01-16

Physicochemical data

Refractive index : 1.4921 ± 0.0003 (20 °C)
Method : PC-MAT-016 - Measure of the refractive index of a liquid.
Analyst : Cindy Caron B. Sc.
Date : 2025-01-09

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
Isobutyral	0.02	Aliphatic aldehyde
2-Methyl-3-buten-2-ol	0.01	Aliphatic alcohol
Isobutanol	tr	Aliphatic alcohol
Isovaleral	0.10	Aliphatic aldehyde
2-Methylbutyral	0.08	Aliphatic aldehyde
2-Ethylfuran	0.02	Furan
Isoamyl alcohol	0.01	Aliphatic alcohol
2-Methylbutanol	0.01	Aliphatic alcohol
Hexanal	0.01	Aliphatic aldehyde
Octane	0.01	Alkane
Unknown	tr	Unknown
(2*E*)-Hexenal	0.05	Aliphatic aldehyde
(3*Z*)-Hexenol	0.01	Aliphatic alcohol
trans-1-Methyl-3-(1-methylethyl)-cyclopentane?	0.01	Normonoterpene
(2*E*)-Hexenol	0.02	Aliphatic alcohol
Hexanol	0.01	Aliphatic alcohol
trans-2,5-Diethyltetrahydrofuran	0.02	Furan
Heptanal	0.01	Aliphatic aldehyde
Nonane	tr	Alkane
α-Pinene	0.01	Monoterpene
Benzaldehyde	0.01	Simple phenolic
Octen-3-ol	0.39	Aliphatic alcohol
6-Methyl-5-hepten-2-one	0.74	Aliphatic ketone
Octan-3-one	0.12	Aliphatic ketone
Myrcene	0.18	Monoterpene
6-Methyl-5-hepten-2-ol	0.02	Aliphatic alcohol
Octan-3-ol	0.10	Aliphatic alcohol
Ethyl hexanoate	0.03	Aliphatic ester
Octanal	0.02	Aliphatic aldehyde
(2*E*,4*E*)-Heptadienal	0.02	Aliphatic aldehyde
Limonene	0.03	Monoterpene
1,8-Cineole	0.04	Monoterpenic ether
Unknown	0.02	Unknown
Unknown	0.03	Unknown
(*Z*)-β-Ocimene	0.49	Monoterpene
(*E*)-β-Ocimene	4.60	Monoterpene
2,6-Dimethyl-5-heptenal (melonal)	0.06	Aliphatic aldehyde
γ-Terpinene	0.02	Monoterpene
cis-Linalool oxide (fur.)	0.01	Monoterpenic alcohol

Octanol	0.01	Aliphatic alcohol
Terpinolene isomer	0.01	Monoterpene
trans-Linalool oxide (fur.)	0.01	Monoterpenic alcohol
Terpinolene	0.01	Monoterpene
Rosefuran	0.14	Monoterpenic ether
Linalool	0.73	Monoterpenic alcohol
Nonanal	0.13	Aliphatic aldehyde
cis-Rose oxide	0.09	Monoterpenic ether
Unknown	0.02	Unknown
trans-Rose oxide	0.04	Monoterpenic ether
Melonol ?	0.02	Normonoterpene
Unknown	0.01	Unknown
cis-para-Mentha-2,8-dien-1-ol	0.23	Monoterpenic alcohol
neo-Isopulegol	0.09	Monoterpenic alcohol
trans-Chrysanthemal	0.34	Monoterpenic aldehyde
iso-Isopulegol	0.05	Monoterpenic alcohol
Citronellal	4.75	Monoterpenic aldehyde
(2*E*)-Nonenal	0.02	Aliphatic aldehyde
Isoneral	0.14	Monoterpenic aldehyde
Terpinen-4-ol	[0.04]	Monoterpenic alcohol
Rosefuran oxide	[0.04]	Monoterpenic ether
Unknown	0.04	Oxygenated monoterpene
Isogeranial	0.20	Monoterpenic aldehyde
α-Terpineol	0.07	Monoterpenic alcohol
Methyl salicylate	0.01	Phenolic ester
trans-Isopiperitenol	0.01	Monoterpenic alcohol
Unknown	0.02	Oxygenated monoterpene
Unknown	0.07	Oxygenated monoterpene
Unknown	0.05	Oxygenated monoterpene
Nerol	0.42	Monoterpenic alcohol
Citronellol	0.76	Monoterpenic alcohol
Neral	7.86	Monoterpenic aldehyde
Piperitone	0.02	Monoterpenic ketone
Geraniol	1.32	Monoterpenic alcohol
Methyl citronellate	1.00	Monoterpenic ester
Geranial	11.20	Monoterpenic aldehyde
Unknown	0.10	Unknown
Unknown	0.11	Oxygenated monoterpene
Geranyl formate	0.05	Monoterpenic ester
Carvacrol	0.01	Monoterpenic alcohol
Methyl geranate	0.32	Monoterpenic ester
Citronellic acid	0.06	Monoterpenic acid
Unknown	0.03	Unknown
Neric acid	0.04	Monoterpenic acid
α-Cubebene	0.13	Sesquiterpene

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

Eugenol	0.08	Phenylpropanoid
Neryl acetate	0.03	Monoterpenic ester
Geranic acid	0.06	Aliphatic acid
α-Copaene	2.22	Sesquiterpene
β-Bourbonene	0.67	Sesquiterpene
1,5-diepi-β-Bourbonene	0.05	Sesquiterpene
Geranyl acetate	0.48	Monoterpenic ester
β-Cubebene	0.86	Sesquiterpene
β-Elemene	0.59	Sesquiterpene
Isocaryophyllene	0.07	Sesquiterpene
Methyleugenol	0.02	Phenylpropanoid
β-Caryophyllene	21.96	Sesquiterpene
β-Copaene	0.26	Sesquiterpene
(*Z*)-β-Farnesene?	0.03	Sesquiterpene
trans-α-Bergamotene	0.08	Sesquiterpene
Isogermacrene D	0.06	Sesquiterpene
α-Humulene	1.63	Sesquiterpene
allo-Aromadendrene	0.18	Sesquiterpene
(*E*)-β-Farnesene	0.86	Sesquiterpene
trans-Cadina-1(6),4-diene	0.11	Sesquiterpene
γ-Muurolene	0.38	Sesquiterpene
Germacrene D	16.95	Sesquiterpene
γ-Amorphene	0.17	Sesquiterpene
Bicyclogermacrene	0.03	Sesquiterpene
α-Selinene	0.34	Sesquiterpene
α-Muurolene	0.74	Sesquiterpene
(3*Z*,6*E*)-α-Farnesene	1.73	Sesquiterpene
Germacrene A	0.24	Sesquiterpene
(3*E*,6*E*)-α-Farnesene	0.94	Sesquiterpene
γ-Cadinene	0.80	Sesquiterpene
δ-Cadinene	2.32	Sesquiterpene
trans-Cadina-1,4-diene	0.10	Sesquiterpene
α-Cadinene	0.21	Sesquiterpene
Isocaryophyllene epoxide B	0.10	Sesquiterpenic ether
(*E*)-Nerolidol	0.09	Sesquiterpenic alcohol
Germacrene D-4-ol	0.64	Sesquiterpenic alcohol
Caryophyllene oxide	1.10	Sesquiterpenic ether
Caryophyllene oxide isomer	0.18	Sesquiterpenic ether
Humulene epoxide II	0.06	Sesquiterpenic ether
Fokienol	0.15	Terpenic alcohol
Junenol	0.03	Sesquiterpenic alcohol
1,10-diepi-Cubenol	0.06	Sesquiterpenic alcohol
1-epi-Cubenol	0.08	Sesquiterpenic alcohol
τ-Cadinol	0.25	Sesquiterpenic alcohol
τ-Muurolol	0.27	Sesquiterpenic alcohol

α-Muurolol	0.12	Sesquiterpenic alcohol
α-Cadinol	0.48	Sesquiterpenic alcohol
(3*Z*)-Caryophylla-3,8(13)-dien-5β-ol	0.06	Sesquiterpenic alcohol
Germacra-4(15),5,10(14)-trien-1-ol isomer	0.01	Sesquiterpenic alcohol
Germacra-4(15),5,10(14)-trien-1α-ol	0.06	Sesquiterpenic alcohol
Heptadecane	0.01	Alkane
(2*E*,6*E*)-Farnesol	0.02	Sesquiterpenic alcohol
Eremophilone	0.01	Sesquiterpenic ketone
(2*E*,6*E*)-Farnesal	0.01	Sesquiterpenic aldehyde
Phytone	0.12	Terpenic ketone
trans-9-Nonadecene	0.01	Alkene
Nonadecane	0.04	Alkane
Geranyl-*para*-cymene	0.13	Diterpene
Unknown	0.07	Unknown
Unknown	0.05	Unknown
Unknown	0.02	Unknown
Unknown	0.02	Unknown
Heneicosane	0.02	Alkane
6-Methyl-4,6-bis(4-methylpent-3-en-1-yl)cyclohexa-1,3-dienecarbaldehyde?	0.05	Diterpenic aldehyde
Unknown	0.04	Unknown
Pentacosane	0.02	Alkane
Heptacosane	0.02	Alkane
Consolidated total	**97.77**	

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

Note: no correction factor was applied

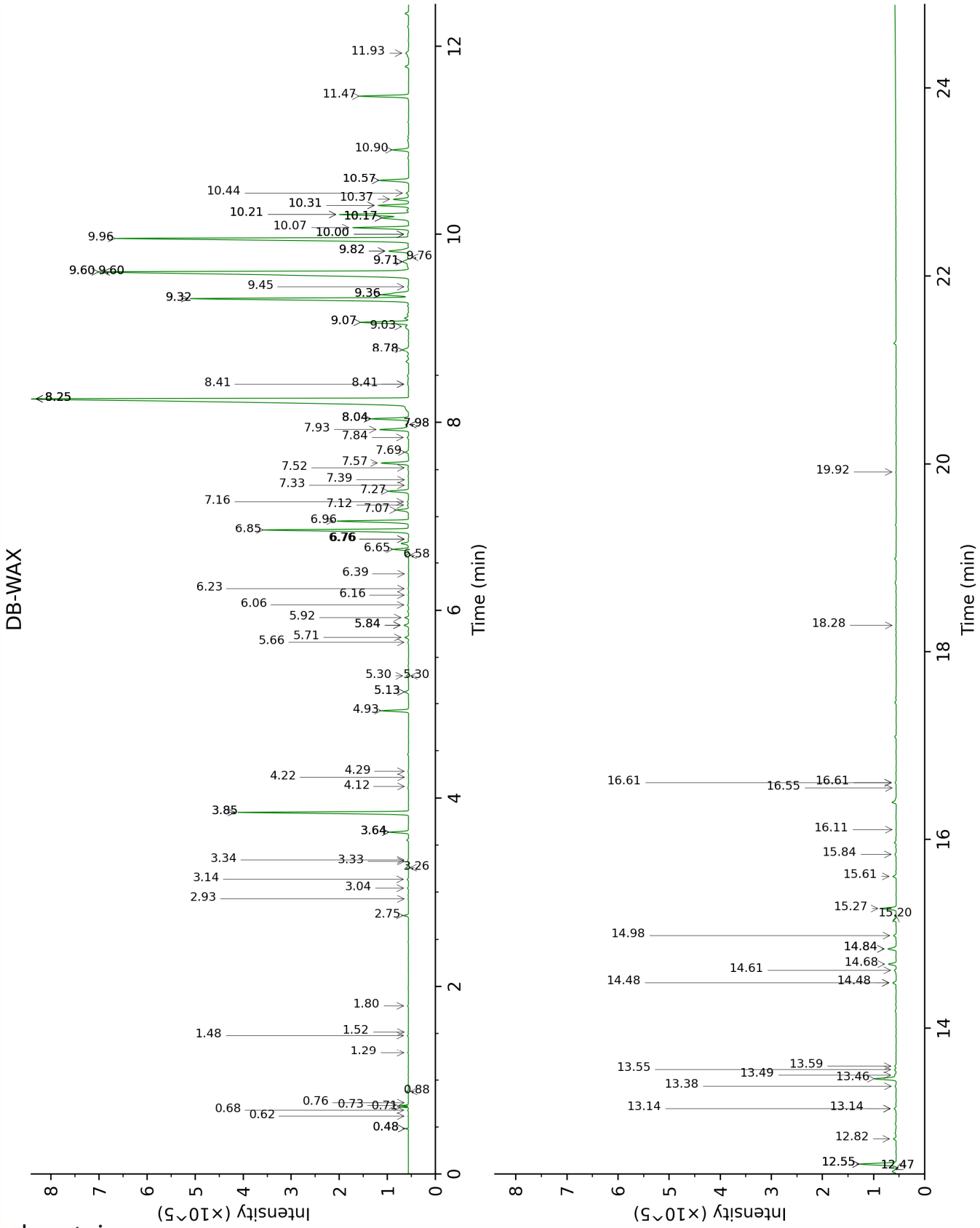
About "consolidated" data: The table above presents the breakdown of the sample volatile constituents after applying an algorithm to collapse data acquired from the multi-columns system of PhytoChemia into a single set of consolidated contents. In case of discrepancies between columns, the algorithm 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.

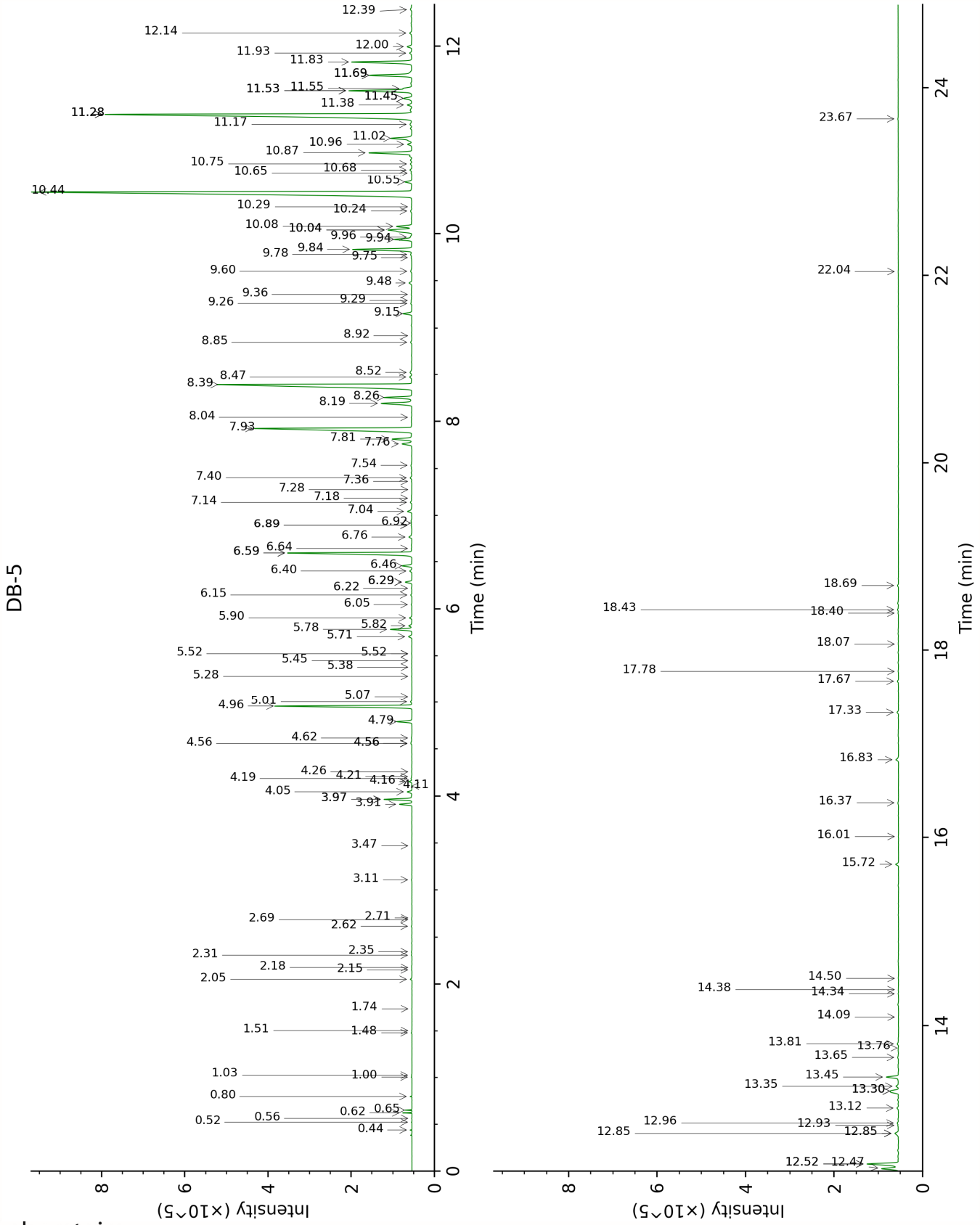
Unknowns: Unknown compounds' mass spectral data is presented in the "Full analysis data" table. The occurrence of unknown compounds is to be expected in many samples, and does not denote particular problems unless noted otherwise in the conclusion.

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

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)
11.93
11.47
10.90
10.57
10.44
10.37
10.31
10.21
10.17
10.07
10.00
9.96
9.82
9.76
9.71
9.60
9.45
9.36
9.32
9.07
9.03
8.78
8.41
8.25
8.04
7.98
7.93
7.84
7.69
7.57
7.52
7.39
7.33
7.27
7.16
7.12
7.07
6.96
6.85
6.76
6.65
6.58
6.39
6.23
6.16
6.06
5.92
5.84
5.71
5.66
5.30
5.13
4.93
4.29
4.22
4.12
3.85
3.64
3.34
3.33
3.26
3.14
3.04
2.93
2.75
1.80
1.52
1.48
1.29
0.88
0.76
0.73
0.71
0.68
0.62
0.48
19.92
18.28
16.61
16.55
16.11
15.84
15.61
15.27
15.20
14.98
14.84
14.68
14.61
14.48
13.59
13.55
13.49
13.46
13.38
13.14
12.82
12.55
12.47


DB-5
Intensity (×10^5)
Time (min)
12.39
12.14
11.93
12.00
11.83
11.69
11.53
11.55
11.45
11.38
11.28
11.17
11.02
10.96
10.87
10.75
10.65
10.68
10.55
10.44
10.29
10.24
10.08
10.04
9.96
9.94
9.78
9.84
9.75
9.60
9.48
9.36
9.26
9.29
9.15
8.92
8.85
8.52
8.47
8.39
8.26
8.19
8.04
7.93
7.81
7.76
7.54
7.40
7.36
7.28
7.18
7.14
7.04
6.92
6.89
6.76
6.64
6.59
6.46
6.40
6.29
6.22
6.15
6.05
5.90
5.82
5.78
5.71
5.52
5.52
5.45
5.38
5.28
5.07
5.01
4.96
4.79
4.62
4.56
4.56
4.26
4.21
4.19
4.16
4.11
4.05
3.97
3.91
3.47
3.11
2.71
2.69
2.62
2.35
2.31
2.18
2.15
2.05
1.74
1.51
1.48
1.03
1.00
0.80
0.65
0.62
0.56
0.52
0.44
23.67
22.04
18.69
18.43
18.40
18.07
17.78
17.67
17.33
16.83
16.37
16.01
15.72
14.50
14.38
14.34
14.09
13.81
13.76
13.65
13.45
13.35
13.30
13.12
12.96
12.93
12.85
12.85
12.52
12.47

FULL ANALYSIS DATA

Isobutyral	Column DB-WAX			Column DB-5		
	0.48*	779.5	[0.04]	0.44	536.6	0.02
2-Methyl-3-buten-2-ol	1.52	1014.8	0.01	0.52	605.1	0.01
Isobutanol				0.56	619.2	tr
Isovaleral	0.73	885.5	0.11	0.62	640.1	0.10
2-Methylbutyral	0.71	878.6	0.08	0.65	650.4	0.08
2-Ethylfuran	0.88	916.8	0.02	0.80	701.6	0.02
Isoamyl alcohol	3.33	1178.1	0.01	1.00	732.0	0.01
2-Methylbutanol	3.34	1179.3	0.02	1.03	735.1	0.01
Hexanal	1.80	1043.4	0.02	1.48	800.2	0.01
Octane	0.48*	779.5	[0.04]	1.51	803.4	0.01
Unknown PEGR III [m/z 81, 69 (80), 41 (65), 83 (52), 109 (48), 55 (47)...]	0.62	840.5	0.01	1.74	822.8	tr
(2*E*)-Hexenal	3.26	1172.7	0.08	2.05	849.1	0.05
(3*Z*)-Hexenol	5.66	1350.1	0.03	2.15	857.4	0.01
trans-1-Methyl-3-(1-methylethyl)-cyclopentane?	0.68	865.6	0.01	2.18	859.5	0.01
(2*E*)-Hexenol	5.92	1369.1	0.10	2.31	870.5	0.02
Hexanol	5.30*	1324.4	[0.06]	2.35	873.6	0.01
trans-2,5-Diethyltetrahydrofuran	1.48	1011.1	0.02	2.62	896.3	0.02
Heptanal	2.93	1146.2	0.01	2.69	902.1	0.01
Nonane	0.76	895.9	tr	2.70	903.6	tr
α-Pinene	1.29	988.5	0.01	3.11	930.6	0.01
Benzaldehyde	7.12	1457.7	0.05	3.47	954.6	0.01
Octen-3-ol	6.65	1422.2	0.43	3.91	984.0	0.39
6-Methyl-5-hepten-2-one	4.93	1297.9	0.74	3.97*	987.5	[0.86]
Octan-3-one	3.85*	1218.2	[4.81]	3.97*	987.5	[0.86]
Myrcene	2.76	1132.2	0.12	4.05	992.8	0.18
6-Methyl-5-hepten-2-ol	6.76*	1430.2	[0.02]	4.11	996.9	0.02
Octan-3-ol	5.84*	1363.3	[0.15]	4.16	1000.0	0.10
Ethyl hexanoate	3.64*	1202.6	[0.50]	4.19	1002.1	0.03
Octanal	4.28	1250.4	0.02	4.21	1003.5	0.02
(2*E*,4*E*)-Heptadienal	7.34	1473.4	0.02	4.26	1006.7	0.02
Limonene	3.04	1155.4	0.03	4.56*	1025.6	[0.07]
1,8-Cineole	3.14	1162.8	0.04	4.56*	1025.6	[0.07]
Unknown MEOF I [m/z 59, 43 (13), 41 (11), 109 (11), 127 (9), 55 (8)...]	6.16	1386.3	0.02	4.56*	1025.6	[0.07]
Unknown MEOF II [m/z	6.23	1391.3	0.02	4.62	1029.3	0.03

59, 43 (16), 41 (13), 109 (12), 127 (8), 55 (8)...]						
(*Z*)-β-Ocimene	3.64*	1202.6	[0.50]	4.79	1040.2	0.49
(*E*)-β-Ocimene	3.85*	1218.2	[4.81]	4.96	1050.7	4.60
2,6-Dimethyl-5-heptenal (melonal)	5.14*	1312.1	[0.12]	5.01	1053.6	0.06
γ-Terpinene	3.64*	1202.6	[0.50]	5.06	1057.3	0.02
cis-Linalool oxide (fur.)	6.39	1402.7	0.01	5.28	1070.9	0.01
Octanol	7.98*	1522.4	[0.11]	5.38	1077.1	0.01
Terpinolene isomer	4.22	1245.7	0.01	5.45	1081.4	0.01
trans-Linalool oxide (fur.)	6.76*	1430.2	[0.02]	5.52*	1086.0	[0.02]
Terpinolene	4.12	1238.5	0.01	5.52*	1086.0	[0.02]
Rosefuran	5.84*	1363.3	[0.15]	5.70	1097.5	0.14
Linalool	7.93	1518.3	0.93	5.78	1102.4	0.73
Nonanal	5.71	1353.9	0.11	5.82	1104.8	0.13
cis-Rose oxide	5.14*	1312.1	[0.12]	5.90	1110.1	0.09
Unknown CYFL II [m/z 81, 79 (19), 41 (12), 92 (8), 77 (8)...]	6.06	1378.8	0.03	6.05	1119.2	0.02
trans-Rose oxide	5.30*	1324.4	[0.06]	6.15	1125.7	0.04
Melonol ?				6.22	1130.3	0.02
Unknown CYFL IV [m/z 95, 67 (86), 41 (68), 82 (64), 123 (62)...]	7.39	1477.7	0.01	6.28*	1134.5	[0.24]
cis-para-Mentha-2,8-dien-1-ol	9.32*	1628.1	[7.88]	6.28*	1134.5	[0.24]
neo-Isopulegol	8.04*	1527.2	[1.12]	6.40	1142.0	0.09
trans-Chrysanthemal	7.07	1453.8	0.39	6.46	1145.6	0.34
iso-Isopulegol	7.84	1511.8	0.05	6.60*	1154.3	[4.87]
Citronellal	6.85	1437.5	4.75	6.60*	1154.3	[4.87]
(2*E*)-Nonenal	7.52	1487.2	0.02	6.64	1157.4	0.02
Isoneral	7.69	1499.6	0.12	6.76	1165.1	0.14
Terpinen-4-ol	8.41*	1555.7	[0.04]	6.89*†	1173.2	[0.04]
Rosefuran oxide	8.41*	1555.7	[0.04]	6.89*†	1173.2	[0.04]
Unknown CYFL V [m/z 84, 83 (74), 137 (56), 41 (47), 93 (43), 108 (40)... 152 (2)]	9.45	1638.2	0.04	6.92*†	1175.1	[0.02]
Isogeranial	8.04*	1527.2	[1.12]	7.04	1183.0	0.20
α-Terpineol	9.60*	1651.0	[17.19]	7.14	1189.2	0.07
Methyl salicylate	10.31*	1708.6	[0.93]	7.18	1192.0	0.01
trans-Isopiperitenol	10.21*	1700.5	[2.22]	7.28	1197.9	0.01
Unknown CYFL VI [m/z 84, 41 (83), 83 (79), 91	10.00*	1683.3	[0.05]	7.36	1203.4	0.02

(76), 93 (67), 119 (64), 137 (63), 109 (54), 108 (54)... 152 (4)]						
Unknown DRMO II [m/z 123, 81 (40), 67 (29), 79 (29), 93 (26), 121 (25), 41 (24), 55 (18), 69 (15)...]				7.40	1206.0	0.07
Unknown EUGL II [m/z 107, 79 (99), 91 (57), 94 (54), 135 (44), 150 (44)]				7.54	1215.0	0.05
Nerol	10.90	1759.2	0.48	7.76	1230.3	0.42
Citronellol	10.57*	1731.1	[0.96]	7.81	1233.7	0.76
Neral	9.32*	1628.1	[7.88]	7.93	1241.3	7.86
Piperitone	9.76	1663.5	0.04	8.04	1249.1	0.02
Geraniol	11.47	1808.1	1.44	8.19	1259.1	1.32
Methyl citronellate	8.04*	1527.2	[1.12]	8.26	1263.3	1.00
Geranial	9.96	1679.7	11.18	8.39	1272.5	11.20
Unknown MEOF III [m/z 59, 81 (60), 43 (57), 84 (42), 127 (32), 85 (30)...]				8.47	1277.9	0.10
Unknown CYFL VII [m/z 43, 69 (77), 41 (70), 109 (54)... 152 (6)]	12.82	1928.8	0.09	8.52	1281.1	0.11
Geranyl formate	9.71*	1659.7	[0.32]	8.85	1303.1	0.05
Carvacrol	15.20	2157.8	0.01	8.92	1308.0	0.01
Methyl geranate	9.60*	1651.0	[17.19]	9.15	1324.5	0.32
Citronellic acid				9.26	1332.1	0.06
Unknown CYFL VIII [m/z 82, 59 (44), 41 (43), 95 (31), 43 (29), 81 (24)...]	12.55*	1904.1	[1.14]	9.29	1334.4	0.03
Neric acid				9.36	1338.9	0.04
α-Cubebene	6.58	1417.5	0.10	9.48	1347.5	0.13
Eugenol	14.61	2099.1	0.08	9.60	1356.2	0.08
Neryl acetate	10.00*	1683.3	[0.05]	9.75	1366.4	0.03
Geranic acid				9.78	1368.8	0.06
α-Copaene	6.96	1445.1	2.22	9.84	1372.6	2.22
β-Bourbonene	7.27	1468.7	0.65	9.94	1380.1	0.67
1,5-diepi-β-Bourbonene	7.16	1460.3	0.06	9.96	1381.8	0.05
Geranyl acetate	10.37	1714.1	0.48	10.04*	1387.1	[1.29]
β-Cubebene	7.57	1491.0	0.86	10.04*	1387.1	[1.29]
β-Elemene	8.25*	1543.6	[22.61]	10.08	1389.8	0.59

Isocaryophyllene	7.98*	1522.4	[0.11]	10.24	1401.3	0.07
Methyleugenol	13.14*	1958.4	[0.08]	10.29	1404.5	0.02
β-Caryophyllene	8.25*	1543.6	[22.61]	10.44	1416.2	21.96
β-Copaene	8.25*	1543.6	[22.61]	10.55	1424.2	0.26
(*Z*)-β-Farnesene?	9.07*	1607.7	[1.59]	10.65	1431.6	0.03
trans-α-Bergamotene	8.25*	1543.6	[22.61]	10.68	1434.1	0.08
Isogermacrene D	8.78*	1584.6	[0.31]	10.75	1438.9	0.06
α-Humulene	9.07*	1607.7	[1.59]	10.87	1447.7	1.63
all*o*-Aromadendrene	8.78*	1584.6	[0.31]	10.96	1454.5	0.18
(*E*)-β-Farnesene	9.36*	1631.4	[1.25]	11.02	1459.3	0.86
trans-Cadina-1(6),4-diene	9.03	1604.1	0.12	11.17	1470.3	0.11
γ-Muurolene	9.36*	1631.4	[1.25]	11.28*	1478.2	[17.33]
Germacrene D	9.60*	1651.0	[17.19]	11.28*	1478.2	[17.33]
γ-Amorphene	9.60*	1651.0	[17.19]	11.38	1485.7	0.17
Bicyclogermacrene	9.82*	1668.9	[0.77]	11.45*	1491.0	[0.38]
α-Selinene	9.71*	1659.7	[0.32]	11.45*	1491.0	[0.38]
α-Muurolene	9.82*	1668.9	[0.77]	11.53*	1497.1	[2.47]
(3*Z*,6*E*)-α-Farnesene	10.07	1689.0	1.73	11.53*	1497.1	[2.47]
Germacrene A	10.17*	1697.4	[1.05]	11.55	1498.7	0.24
(3*E*,6*E*)-α-Farnesene	10.31*	1708.6	[0.93]	11.69*	1509.5	[1.74]
γ-Cadinene	10.17*	1697.4	[1.05]	11.69*	1509.5	[1.74]
δ-Cadinene	10.21*	1700.5	[2.22]	11.83	1520.7	2.32
trans-Cadina-1,4-diene	10.44	1719.6	0.08	11.93	1528.1	0.10
α-Cadinene	10.57*	1731.1	[0.96]	12.00	1533.5	0.21
Isocaryophyllene epoxide B	11.93	1848.5	0.14	12.14	1544.8	0.10
(*E*)-Nerolidol	13.59	2000.4	0.05	12.39	1564.6	0.09
Germacrene D-4-ol	13.46	1987.8	0.70	12.47	1570.7	0.64
Caryophyllene oxide	12.55*	1904.1	[1.14]	12.52*	1574.7	[1.28]
Caryophyllene oxide isomer	12.47*	1896.9	[0.16]	12.52*	1574.7	[1.28]
Humulene epoxide II	13.14*	1958.4	[0.08]	12.84*	1600.2	[0.21]
Fokienol	14.84*	2121.8	[0.29]	12.84*	1600.2	[0.21]
Junenol	13.38	1980.4	0.05	12.93	1607.1	0.03
1,10-diepi-Cubenol	13.49	1991.2	0.06	12.96	1609.2	0.06
1-epi-Cubenol	13.55	1996.9	0.06	13.12	1622.3	0.08
τ-Cadinol	14.68	2105.7	0.25	13.30*	1637.3	[0.52]
τ-Muurolol	14.84*	2121.8	[0.29]	13.30*	1637.3	[0.52]
α-Muurolol	14.98	2135.9	0.09	13.35	1641.5	0.12
α-Cadinol	15.27	2164.6	0.47	13.45	1649.7	0.48
(3*Z*)-Caryophylla-3,8(13)-dien-5β-ol	16.60*	2302.5	[0.04]	13.66	1666.9	0.06
Germacra-4(15),5,10(14)-trien-1-	16.55	2296.5	0.01	13.76	1675.5	0.01

ol isomer						
Germacra-4(15),5,10(14)-trien-1α-ol	15.84	2223.1	0.06	13.81	1679.5	0.06
Heptadecane	10.17*	1697.4	[1.05]	14.09	1703.0	0.01
(2*E*,6*E*)-Farnesol	16.60*	2302.5	[0.04]	14.34	1724.5	0.02
Eremophilone	16.11	2250.3	0.01	14.38	1728.3	0.01
(2*E*,6*E*)-Farnesal	15.61	2198.9	0.11	14.50	1738.7	0.01
Phytone	14.48*	2086.1	[0.13]	15.72	1846.1	0.12
trans-9-Nonadecene	12.55*	1904.1	[1.14]	16.01	1873.0	0.01
Nonadecane	12.47*	1896.9	[0.16]	16.37	1905.8	0.04
Geranyl-*para*-cymene				16.83	1949.3	0.13
Unknown LICU V [m/z 41, 69 (95), 109 (41), 95 (39), 55 (36), 121 (36)...]				17.33	1997.3	0.07
Unknown LICU VI [m/z 69, 41 (90), 95 (49), 109 (43), 219 (43), 55 (30)...]				17.67	2030.6	0.05
Unknown LICU VII [m/z 69, 41 (94), 81 (42), 109 (39), 107 (33), 43 (31)...]				17.78	2041.0	0.02
Unknown CYFL IX [m/z 93, 69 (95), 135 (76), 107 (53), 41 (53), 109 (50)... 235 (10)...]				18.07	2069.9	0.02
Heneicosane	14.48*	2086.1	[0.13]	18.40	2102.6	0.02
6-Methyl-4,6-bis(4-methylpent-3-en-1-yl)cyclohexa-1,3-dienecarbaldehyde?				18.43	2106.3	0.05
Unknown LICU II [m/z 69, 41 (38), 151 (36), 123 (34), 82 (24), 43 (23), 109 (21)...]				18.69	2133.1	0.04
Pentacosane	18.28	2486.4	0.01	22.04	2503.5	0.02
Heptacosane	19.92	2677.4	0.02	23.67	2703.8	0.02
Total reported		96.14%			97.76%	

*: 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