

Date : January 11, 2023

CERTIFICATE OF ANALYSIS – GC PROFILING

SAMPLE IDENTIFICATION

Internal code : 23A04-PTH03

Customer identification : Lemon Eucalyptus ORGANIC - Madagascar - E10113R

Type : Essential oil

Source : *Corymbia citriodora*

Customer : Plant Therapy

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 : January 09, 2023

Checked and approved by :

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

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PHYSICOCHEMICAL DATA

Physical aspect: Clear liquid

Refractive index: 1.4574 ± 0.0003 (20 °C; method PC-MAT-016)

CONCLUSION

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
3-Methylcyclopentene	0.01	Alkene
3-Methylcyclopentane	tr	Alkane
Isovaleral	0.02	Aliphatic aldehyde
2-Methylbutyral	tr	Aliphatic aldehyde
2,4-Dimethyl-3-pentanone	tr	Aliphatic ketone
3-Methylcyclopentanol	0.01	Aliphatic alcohol
Ethyl 2-methylbutyrate	0.01	Aliphatic ester
Unknown	0.01	Unknown
Unknown	0.02	Unknown
Isobutyl propionate	tr	Aliphatic ester
Styrene	0.01	Simple phenolic
Isobutyl isobutyrate	0.07	Aliphatic ester
α -Thujene	0.03	Monoterpene
α -Pinene	0.29	Monoterpene
3-Methylcyclohexanone	tr	Aliphatic ketone
Unknown	0.01	Unknown
Unknown	0.01	Unknown
β -Pinene	0.89	Monoterpene
Sabinene	0.09	Monoterpene
Myrcene	0.24	Monoterpene
α -Phellandrene	0.02	Monoterpene
Isobutyl 2-methylbutyrate	0.01	Aliphatic ester
α -Terpinene	0.04	Monoterpene
Isoamyl isobutyrate	0.02	Aliphatic ester
2-Methylbutyl isobutyrate	0.02	Aliphatic ester
para-Cymene	0.03	Monoterpene
Limonene	0.29	Monoterpene
Unknown	0.04	Unknown
Unknown	0.02	Unknown
1,8-Cineole	1.39	Monoterpenic ether
(Z)- β -Ocimene	0.02	Monoterpene
(E)- β -Ocimene	0.04	Monoterpene
Unknown	0.02	Unknown
2,6-Dimethyl-5-heptenal (melonal)	0.09	Aliphatic aldehyde
γ -Terpinene	0.18	Monoterpene
para-Mentha-3,8-diene	0.23	Monoterpene
Terpinolene isomer	0.04	Monoterpene
Terpinolene	0.22	Monoterpene
Unknown	0.01	Oxygenated monoterpene
Linalool	0.13	Monoterpenic alcohol
cis-Rose oxide	0.05	Monoterpenic ether
Phenylethyl alcohol	0.01	Simple phenolic
trans-Rose oxide	0.02	Monoterpenic ether
Unknown	0.04	Oxygenated normonoterpene
Isopulegol	6.61	Monoterpenic alcohol

Menthone	0.03	Monoterpenic ketone
Citronellal	56.35	Monoterpenic aldehyde
iso-Isopulegol	4.22	Monoterpenic alcohol
Borneol	0.02	Monoterpenic alcohol
neoiso-Isopulegol	0.43	Monoterpenic alcohol
<i>trans</i> -Isopulegone	tr	Monoterpenic ketone
Isopulegol isomer	0.01	Monoterpenic alcohol
Terpinen-4-ol	0.11	Monoterpenic alcohol
α -Terpineol	0.17	Monoterpenic alcohol
<i>trans</i> -Pulegol	0.02	Monoterpenic alcohol
Nerol	0.03	Monoterpenic alcohol
Pulegone	0.01	Monoterpenic ketone
Citronellol	5.28	Monoterpenic alcohol
Neral	0.01	Monoterpenic aldehyde
Geraniol	0.03	Monoterpenic alcohol
Unknown	0.02	Unknown
Methyl citronellate	0.01	Monoterpenic ester
Geranial	0.01	Monoterpenic aldehyde
Citronellyl formate	0.01	Monoterpenic ester
Unknown	0.01	Unknown
Benzyl isobutyrate	0.08	Phenolic ester
8-Hydroxy-neo-menthol	0.85	Monoterpenic alcohol
Citronellic acid	0.32	Monoterpenic acid
8-Hydroxymenthol	0.02	Monoterpenic alcohol
Eugenol	0.11	Phenylpropanoid
Citronellyl acetate	1.51	Monoterpenic ester
8-Hydroxy-iso-menthol	0.51	Monoterpenic alcohol
Neryl acetate	0.01	Monoterpenic ester
8-Hydroxy-neoiso-menthol	0.03	Monoterpenic alcohol
β -Bourbonene	tr	Sesquiterpene
Geranyl acetate	0.06	Monoterpenic ester
Isobutyl phenylacetate	0.01	Phenolic ester
β -Elemene	0.04	Sesquiterpene
Benzyl isovalerate	0.03	Phenolic ester
(<i>Z</i>)-Jasmone	0.06	Jasmonate
Methyleugenol	0.02	Phenylpropanoid
β -Caryophyllene	1.29	Sesquiterpene
α -Humulene	0.08	Sesquiterpene
allo-Aromadendrene	0.02	Sesquiterpene
(<i>E</i>)- β -Farnesene	0.01	Sesquiterpene
γ -Muurolene	0.01	Sesquiterpene
Germacrene D	0.10	Sesquiterpene
α -Amorphene	tr	Sesquiterpene
Isoamyl phenylacetate	0.01	Phenolic ester
Phenylethyl isovalerate	tr	Phenolic ester
Bicyclogermacrene	0.06	Sesquiterpene
<i>trans</i> -Sabinyl 2-methylbutyrate	0.01	Monoterpenic ester
Phenylethyl 2-methylbutyrate	0.01	Phenolic ester
α -Muurolene	0.02	Sesquiterpene
Germacrene A	0.02	Sesquiterpene
γ -Cadinene	0.02	Sesquiterpene
Geranyl isobutyrate	0.01	Monoterpenic ester

δ-Cadinene	0.05	Sesquiterpene
<i>trans</i> -Cadina-1,4-diene	0.01	Sesquiterpene
α-Cadinene	0.01	Sesquiterpene
Germacrene B	0.03	Sesquiterpene
Spathulenol	0.02	Sesquiterpenic alcohol
Caryophyllene oxide	0.02	Sesquiterpenic ether
Caryophyllene oxide isomer	0.01	Sesquiterpenic ether
τ-Cadinol	0.01	Sesquiterpenic alcohol
τ-Muurolol	tr	Sesquiterpenic alcohol
α-Muurolol	tr	Sesquiterpenic alcohol
α-Cadinol	0.02	Sesquiterpenic alcohol
Unknown	0.01	Unknown
Unknown	0.01	Unknown
Unknown	0.18	Oxygenated diterpene
Unknown	0.02	Oxygenated diterpene
Unknown	0.22	Oxygenated diterpene
Unknown	0.03	Oxygenated diterpene
Unknown	0.05	Oxygenated diterpene
Unknown	4.84	Oxygenated diterpene
Unknown	0.10	Oxygenated diterpene
Unknown	0.10	Oxygenated diterpene
Unknown	0.19	Oxygenated diterpene
Unknown	0.17	Oxygenated diterpene
Unknown	1.24	Oxygenated diterpene
Unknown	0.13	Oxygenated diterpene
Unknown	0.03	Oxygenated diterpene
Unknown	0.06	Oxygenated diterpene
Unknown	0.01	Unknown
Unknown	0.03	Unknown
Citronellyl citronellate	0.03	Monoterpenic ester
Unknown	0.01	Unknown
Unknown	0.09	Oxygenated diterpene
Unknown	0.44	Oxygenated diterpene
Unknown	0.15	Unknown
Unknown	0.17	Unknown
Unknown	0.16	Unknown
Unknown	0.05	Unknown
Unknown	0.05	Unknown
Unknown	0.03	Oxygenated diterpene
Unknown	0.29	Unknown
Unknown	0.13	Oxygenated diterpene
Unknown	0.01	Unknown
Unknown	0.89	Unknown
Unknown	0.26	Unknown
Unknown	0.81	Unknown
Unknown	0.33	Unknown
Unknown	2.71	Unknown
Consolidated total	97.61%	

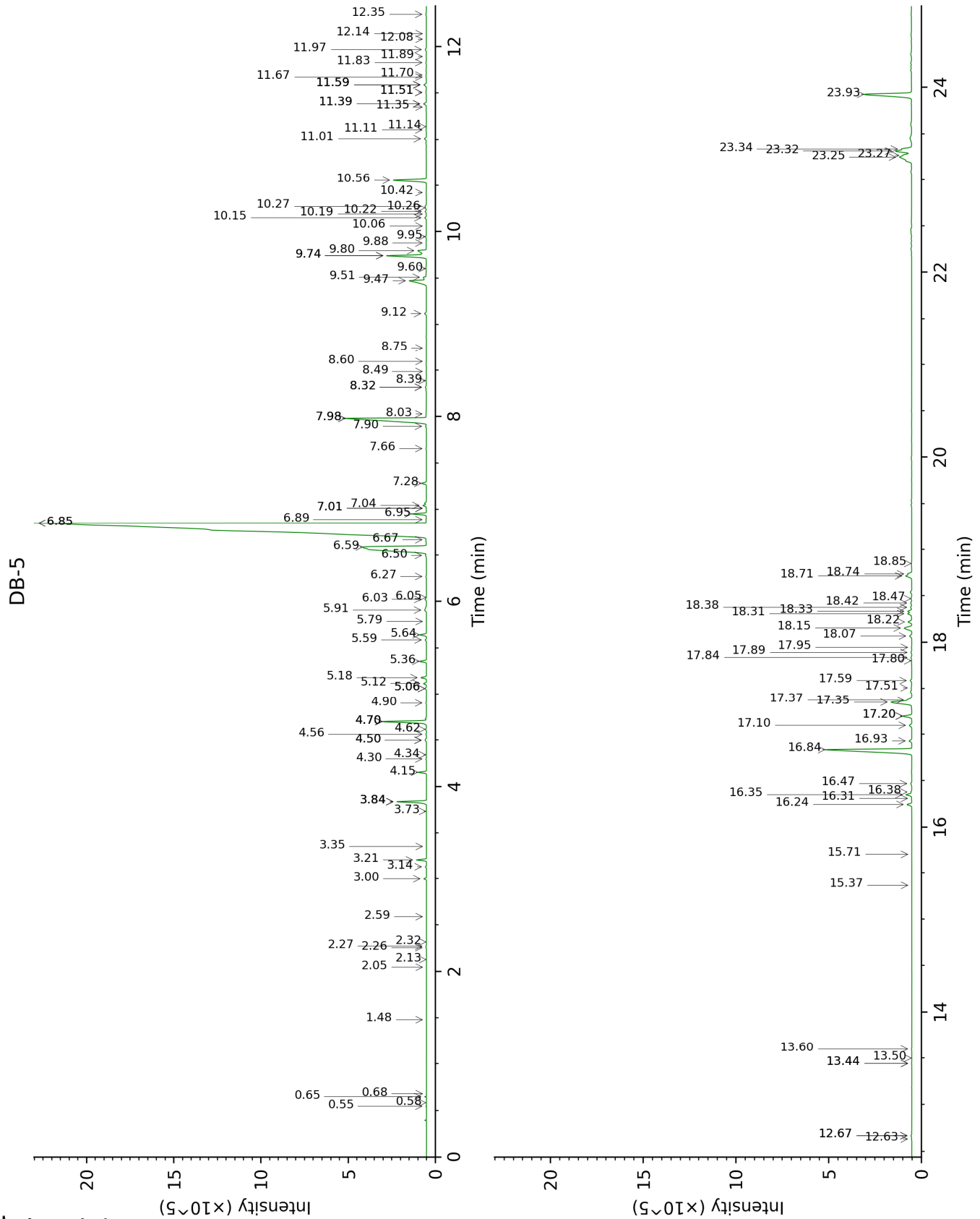
tr: The compound has been detected below 0.005% of total signal.

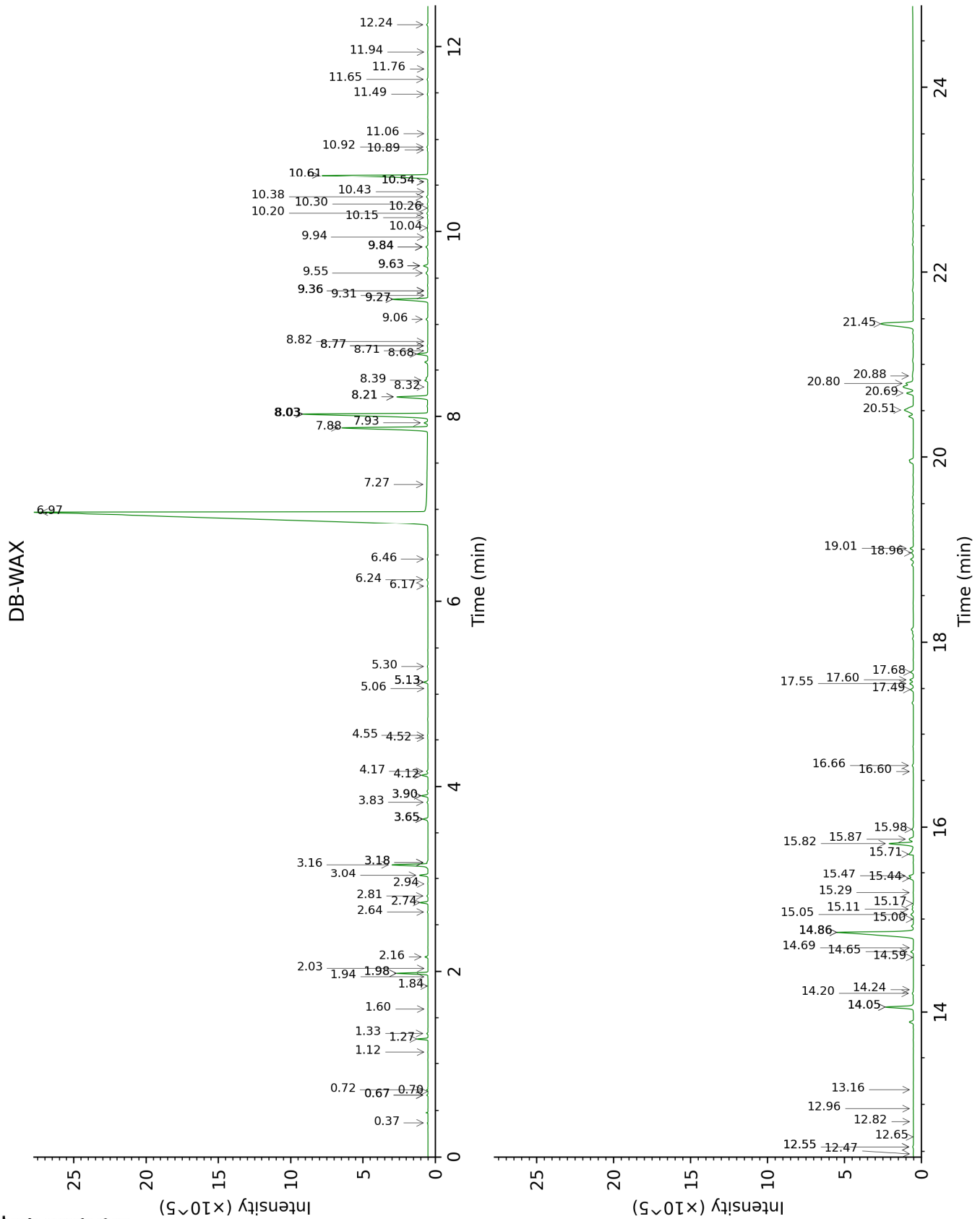
Note: no correction factor was applied

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.

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	%
3-Methylcyclopentene	0.55	606	0.01	0.37	663	0.01
3-Methylcyclopentane	0.58	619	tr			
Isovaleral	0.65	640	0.02	0.72	889	0.02
2-Methylbutyral	0.68	650	tr	0.70	882	tr
2,4-Dimethyl-3-pentanone	1.48	791	tr	1.12	963	tr
3-Methylcyclopentanol	2.05	842	0.01	5.06	1308	0.01
Ethyl 2-methylbutyrate	2.13	849	0.01	1.60	1024	tr
Unknown [m/z 55, 83 (89), 82 (70), 67 (66), 41 (55), 69 (46), 111 (37)... 126 (2)]	2.26	859	0.01	0.66*	866	0.03
Unknown [m/z 55, 83 (79), 67 (65), 41 (63), 82 (60), 69 (58)... 111 (27), 126 (9)]	2.27	860	0.02	0.66*	866	[0.03]
Isobutyl propionate	2.32	864	tr	1.84	1050	tr
Styrene	2.59	886	0.01	3.65*	1205	0.19
Isobutyl isobutyrate	3.00	916	0.07	1.98*	1064	0.98
α -Thujene	3.14	925	0.03	1.33	997	0.03
α -Pinene	3.21	930	0.29	1.27	989	0.29
3-Methylcyclohexanone	3.36	940	tr	4.52	1271	0.01
Unknown [m/z 99, 81 (98), 55 (51), 43 (42), 41 (34)... 109? (2)]	3.73	964	0.01	1.94	1060	0.01
Unknown [m/z 99, 81 (96), 43 (58), 55 (56), 41 (43)...]	3.84*	971	0.99	2.03	1070	0.01
β -Pinene	3.84*	971	[0.99]	1.98*	1064	[0.98]
Sabinene	3.84*	971	[0.99]	2.16	1083	0.09
Myrcene	4.15	992	0.24	2.74	1132	0.25
α -Phellandrene	4.30	1001	0.02	2.64	1124	0.02
Isobutyl 2-methylbutyrate	4.34	1004	0.01	2.94	1149	0.01
α -Terpinene	4.50*	1014	0.06	2.81	1138	0.04
Isoamyl isobutyrate	4.50*	1014	[0.06]	3.18*	1168	0.04
2-Methylbutyl isobutyrate	4.56	1018	0.02	3.18*	1168	[0.04]
para-Cymene	4.62	1021	0.03	3.90*	1224	0.23
Limonene	4.70*	1027	1.65	3.04	1156	0.29
Unknown [m/z 59, 43 (12), 109 (11), 41 (10), 127 (8)...]	4.70*	1027	[1.65]	6.24	1392	0.04

Unknown [m/z 59, 43 (11), 109 (10), 41 (10), 127 (8)...]	4.70*	1027	[1.65]	6.17	1387	0.02
1,8-Cineole	4.70*	1027	[1.65]	3.16	1166	1.39
(Z)- β -Ocimene	4.90	1039	0.02	3.65*	1205	[0.19]
(E)- β -Ocimene	5.06*	1049	0.05	3.83	1219	0.04
Unknown [m/z 125, 69 (75), 41 (34), 55 (25), 93 (22)... 140 (3)]	5.06*	1049	[0.05]	4.55	1273	0.02
2,6-Dimethyl-5-heptenal (melonal)	5.12	1052	0.09	5.13*	1313	0.15
γ -Terpinene	5.18	1056	0.18	3.65*	1205	[0.19]
para-Mentha-3,8-diene	5.36	1068	0.23	3.90*	1224	[0.23]
Terpinolene isomer	5.59	1082	0.04	4.16	1244	0.05
Terpinolene	5.64	1085	0.22	4.12	1241	0.22
Unknown [m/z 67, 82 (79), 81 (34), 41 (32), 55 (16)... 152 (5)]	5.79	1094	0.01	5.13*	1313	[0.15]
Linalool	5.91	1102	0.13	7.93	1520	0.12
cis-Rose oxide	6.02	1109	0.05	5.13*	1313	[0.15]
Phenylethyl alcohol	6.05	1111	0.01	11.94	1850	0.01
trans-Rose oxide	6.27	1125	0.02	5.30	1325	0.03
Unknown [m/z 41, 69 (87), 82 (66), 67 (55), 109 (46)... 142 (18)]	6.50	1139	0.04	9.27*	1625	1.55
Isopulegol	6.59	1145	6.61	8.03*	1527	6.75
Menthone	6.67	1150	0.03	6.46	1409	0.03
Citronellal	6.85*	1162	61.38	6.97	1447	56.35
iso-Isopulegol	6.85*	1162	[61.38]	7.88	1516	4.22
Borneol	6.89	1164	0.02	9.63*	1654	0.17
neoiso-Isopulegol	6.95	1168	0.43	8.68	1577	0.43
trans-Isopulegone	7.01*	1172	0.01	8.82	1588	tr
Isopulegol isomer	7.01*	1172	[0.01]	8.32	1550	0.01
Terpinen-4-ol	7.04	1174	0.11	8.39	1555	0.12
α -Terpineol	7.28	1189	0.17	9.63*	1654	[0.17]
trans-Pulegol	7.66	1213	0.02	9.84*	1670	0.09
Nerol	7.90	1229	0.03	10.89	1758	0.03
Pulegone	7.98*	1235	5.18	8.77*	1585	0.03
Citronellol	7.98*	1235	[5.18]	10.61*	1735	5.36
Neral	8.03	1238	0.01	9.31	1628	0.01
Geraniol	8.32*	1257	0.04	11.49	1810	0.03
Unknown [m/z 59, 41 (62), 43 (51), 97 (42), 69 (37)...]	8.32*	1257	[0.04]	10.30	1709	0.02
Methyl citronellate	8.39	1262	0.01	8.03*	1527	[6.75]
Geranial	8.49	1268	0.01	9.94	1679	0.01
Citronellyl formate	8.60	1276	0.01	8.71	1580	0.01
Unknown [m/z 85, 41 (23), 67 (21), 82 (16), 43 (10)... 170? (1)]	8.75	1286	0.01	12.55*	1904	0.03
Benzyl isobutyrate	9.12	1311	0.08	10.61*	1735	[5.36]

8-Hydroxy-neomenthol	9.47†	1336	1.17	14.06*	2044	1.21
Citronellic acid	9.51†	1338	[1.17]	15.71	2208	0.32
8-Hydroxymenthol	9.60	1345	0.02			
Eugenol	9.74*†	1355	2.13	14.65	2102	0.11
Citronellyl acetate	9.74*†	1355	[2.13]	9.27*	1625	[1.55]
8-Hydroxy-iso-menthol	9.80†	1359	[2.13]	14.86*	2123	5.47
Neryl acetate	9.88	1364	0.01	10.04	1687	0.02
8-Hydroxy-neoiso-menthol	9.95	1369	0.03	15.05	2142	0.12
β-Bourbonene	10.06	1377	tr	7.27	1469	tr
Geranyl acetate	10.15	1384	0.06	10.38	1715	0.05
Isobutyl phenylacetate	10.19	1386	0.01	11.76	1834	tr
β-Elementene	10.22	1388	0.04	8.21*	1541	1.35
Benzyl isovalerate	10.26	1391	0.03	11.65	1824	0.04
(Z)-Jasmone	10.27	1392	0.06	12.24	1876	0.05
Methyleugenol	10.42	1403	0.02	13.16	1960	0.01
β-Caryophyllene	10.56	1412	1.29	8.21*	1541	[1.35]
α-Humulene	11.01	1446	0.08	9.06	1607	0.07
allo-Aromadendrene	11.10	1453	0.02	8.77*	1585	[0.03]
(E)-β-Farnesene	11.14	1456	0.01	9.36*	1632	0.01
γ-Murolene	11.35	1472	0.01	9.36*	1632	[0.01]
Germacrene D	11.39*	1474	0.11	9.56	1648	0.10
α-Amorphene	11.39*	1474	[0.11]	9.36*	1632	[0.01]
Isoamyl phenylacetate	11.51*	1483	0.03	12.96	1941	0.01
Phenylethyl isovalerate	11.51*	1483	[0.03]	12.82	1929	tr
Bicyclogermacrene	11.59*	1489	0.11	9.84*	1670	[0.09]
trans-Sabinyl 2-methylbutyrate	11.59*	1489	[0.11]	10.54*	1729	0.01
Phenylethyl 2-methylbutyrate	11.59*	1489	[0.11]	12.66	1914	0.01
α-Murolene	11.67	1495	0.02	9.84*	1670	[0.09]
Germacrene A	11.70	1497	0.02	10.26	1705	0.01
γ-Cadinene	11.83	1507	0.02	10.15	1696	0.03
Geranyl isobutyrate	11.90	1512	0.01	11.06	1773	0.01
δ-Cadinene	11.97	1518	0.05	10.20	1700	0.04
trans-Cadina-1,4-diene	12.08	1527	0.01	10.43	1720	tr
α-Cadinene	12.14	1532	0.01	10.54*	1729	[0.01]
Germacrene B	12.35	1548	0.03	10.92	1761	0.04
Spathulenol	12.63	1570	0.02	14.20	2058	0.05
Caryophyllene oxide	12.67*	1573	0.04	12.55*	1904	[0.03]
Caryophyllene oxide isomer	12.67*	1573	[0.04]	12.47	1897	0.01
τ-Cadinol	13.44*	1635	0.01	14.69	2106	0.01
τ-Muurolol	13.44*	1635	[0.01]	14.86*	2123	[5.47]
α-Muurolol	13.50	1640	tr	15.00	2137	tr
α-Cadinol	13.60	1648	0.02	15.29	2165	0.01

Unknown [m/z 81, 95 (51), 41 (31), 69 (30), 55 (26), 137 (21)...]	15.37	1798	0.01			
Unknown [m/z 81, 95 (43), 41 (33), 69 (28), 67 (24)...]	15.71	1829	0.01	14.59	2096	tr
Unknown [m/z 81, 69 (87), 93 (74), 121 (71), 41 (70), 205 (47)... 290 (18)]	16.24	1877	0.18			
Unknown [m/z 69, 41 (48), 81 (36), 121 (34), 83 (32), 55 (30)... 290 (t)]	16.31	1883	0.02			
Unknown [m/z 81, 93 (70), 121 (64), 69 (64), 41 (56), 205 (50)... 290 (19)]	16.35	1887	0.22	14.06*	2044	[1.21]
Unknown [m/z 165, 69 (87), 205 (72), 81 (67), 41 (65)... 290 (4)]	16.38	1890	0.03	14.24	2062	0.01
Unknown [m/z 165, 205 (96), 69 (72), 41 (61), 81 (49)... 290 (6)]	16.47	1898	0.05			
Unknown [m/z 81, 137 (85), 95 (48), 69 (44)... 308? (t)]	16.84	1932	4.84	14.86*	2123	[5.47]
Unknown [m/z 137, 81 (81), 95 (41), 183 (38)...]	16.93	1941	0.10	15.17	2154	0.01
Unknown [m/z 69, 81 (53), 41 (51), 137 (39), 121 (33)...]	17.10	1957	0.10	15.11	2147	0.06
Unknown [m/z 81, 205 (66), 69 (58), 41 (56), 93 (56), 121 (47)... 290 (9)]	17.20*	1966	0.36	15.47	2183	0.19
Unknown [m/z 81, 93 (59), 205 (55), 121 (50), 41 (43)... 290 (8)]	17.20*	1966	[0.36]	15.44	2180	0.17
Unknown [m/z 81, 137 (60), 69 (47), 95 (41), 41 (39), 55 (25)... 308? (t)]	17.35	1981	1.24	15.82	2220	1.14
Unknown [m/z 81, 137 (94), 95 (46), 69 (38), 41 (36)...]	17.37	1983	0.13	15.87	2225	0.26
Unknown [m/z 81, 137 (70), 95 (46), 69 (45), 41 (39), 55 (29)...]	17.51	1996	0.03	15.98	2236	0.07

Unknown [m/z 41, 69 (98), 55 (55), 81 (46), 109 (46)... 290 (8)]	17.59	2004	0.06	16.66	2307	0.05
Unknown [m/z 69, 41 (95), 55 (57), 109 (46), 95 (45), 67 (34)...]	17.80	2025	0.01			
Unknown [m/z 69, 41 (96), 55 (53), 109 (48), 95 (43), 67 (35)...]	17.84	2028	0.03			
Citronellyl citronellate	17.89	2034	0.03	16.60	2300	0.01
Unknown [m/z 81, 137 (68), 95 (44), 43 (40), 69 (39), 183 (35)...]	17.94	2039	0.01	17.49	2396	0.14
Unknown [m/z 69, 81 (88), 43 (85), 95 (60)... 308 (t)]	18.07	2051	0.09	18.96	2562	0.08
Unknown [m/z 81, 95 (49), 69 (48), 137 (47), 43 (36)... 308 (1)]	18.15	2060	0.44			
Unknown [m/z 81, 137 (48), 95 (39), 69 (34), 41 (26)...]	18.22	2066	0.15	17.60	2408	0.16
Unknown [m/z 69, 81 (56), 83 (52), 41 (39), 95 (42), 55 (27)...]	18.31	2075	0.17	17.56	2403	0.17
Unknown [m/z 69, 81 (63), 83 (56), 41 (39), 95 (31)...]	18.33	2077	0.16	17.68	2417	0.12
Unknown [m/z 81, 137 (50), 69 (41), 95 (40)...]	18.38	2082	0.05			
Unknown [m/z 81, 137 (55), 69 (50), 95 (41), 41 (40), 59 (31)... 306? (t)]	18.42	2086	0.05			
Unknown [m/z 223, 69 (83), 43 (82), 81 (62), 139 (54), 41 (51)... 293 (7), 308 (t)]	18.47	2091	0.03			
Unknown [m/z 69, 81 (71), 41 (47), 83 (44), 95 (43), 43 (41)... 293 (2)...]	18.72	2116	0.29			
Unknown [m/z 81, 43 (94), 69 (68), 95 (55), 41 (55), 55 (46)... 293 (8), 308 (1)]	18.74	2118	0.13	19.01	2567	0.14
Unknown [m/z 69, 41 (88), 95 (60), 55 (54), 81 (47), 109 (42)...]	18.85	2130	0.01			

Unknown [m/z 81, 69 (83), 137 (61), 95 (50), 83 (45)...]	23.25	2625	0.89	20.51	2746	0.83
Unknown [m/z 81, 69 (70), 137 (56), 95 (43), 83 (36)...]	23.27	2627	0.26	20.88	2791	0.09
Unknown [m/z 81, 69 (73), 137 (60), 95 (45), 83 (41)...]	23.32	2633	0.81	20.69	2768	0.33
Unknown [m/z 81, 69 (67), 137 (56), 95 (40), 83 (38)...]	23.34	2636	0.33	20.80	2781	0.41
Unknown [m/z 69, 83 (59), 81 (56), 137 (48), 41 (29), 139 (28)...]	23.93	2710	2.71	21.45	2863	2.65
Total identified	84.52%			89.02%		
Total reported	98.27%			96.22%		

*: 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