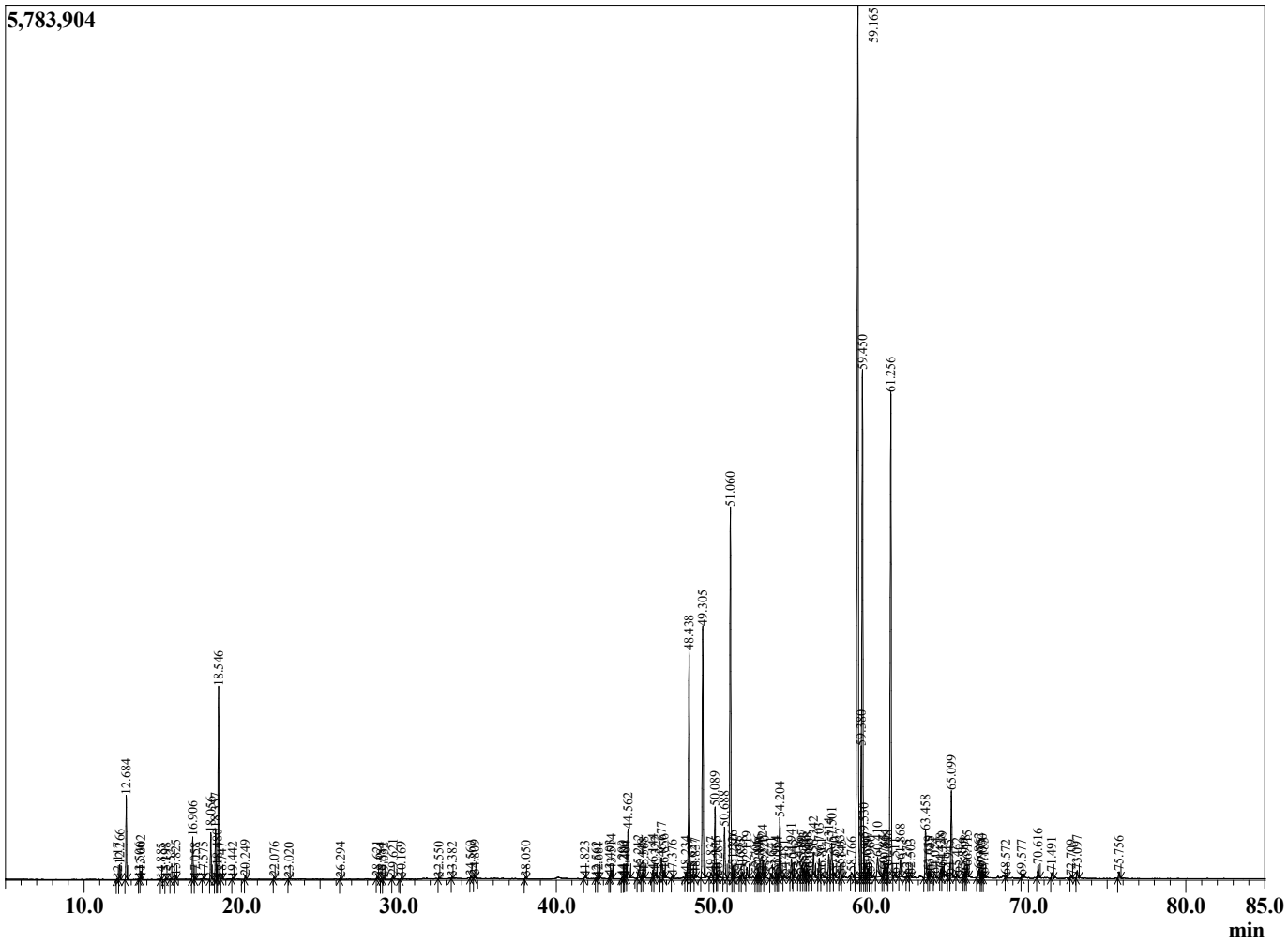
Sample Information

Sample Type : Essential Oil
Sample Name : Curcuma longa
Injection Volume : 0.10

Turmeric
Lot# IDW24-WH
Country: India

Appalachian Valley Natural Products
Anatolian Treasures

Chromatogram Curcuma longa



Peak Report TIC

R.Time	Name	Area%
12.117	Tricyclene	0.01
12.266	alpha-Thujene	0.22
12.684	alpha-Pinene	1.24
13.506	alpha-Fenchene	0.01
13.602	Camphene	0.12
14.885	Sabinene	0.01
15.198	beta-Pinene	0.02
15.521	6-Methyl hept-5-en-2-one	0.01
15.825	Myrcene	0.06
16.906	alpha-Phellandrene	0.70
17.058	delta-3-Carene	0.02
17.575	alpha-Terpinene	0.03
18.056	para-Cymene	0.81
18.357	Limonene	0.88
18.480	beta-Phellandrene	0.18
18.546	1,8-Cineole	3.34
18.747	cis-beta-Ocimene	0.01
19.442	trans-beta-Ocimene	0.02
20.249	gamma-Terpinene	0.05
22.076	Terpinolene	0.03
23.020	Linalool	0.01
26.294	Camphor	0.02
28.621	Terpinen-4-ol	0.04
28.884	4'-Methyl acetophenone	0.02
29.032	para-Cymen-8-ol	0.02
29.621	alpha-Terpineol	0.08
30.169	alpha-Phellandrene epoxide	0.04
32.550	Neral	0.02
33.382	Geraniol	0.03
34.569	Geranial	0.04
34.809	Unidentified	0.05
38.050	Unidentified	0.04
41.823	Unidentified	0.03
42.562	7-epi-Sesquithujene	0.01
42.681	beta-Elemene	0.02
43.403	Unidentified	0.05
43.514	alpha-Funebrene	0.19
44.200	cis-alpha-Bergamotene	0.03
44.286	Acora-3,7(14)-diene	0.02
44.404	alpha-Cedrene	0.02
44.562	alpha-Santalene	1.19
45.212	gamma-Elemene	0.14
45.448	trans-alpha-Bergamotene	0.06
45.568	Unidentified	0.12
46.144	cis-beta-Farnesene	0.17
46.322	epi-beta-Santalene	0.16
46.677	trans-beta-Farnesene	0.49
46.856	alpha-Humulene	0.19
47.376	beta-Acoradiene	0.06
48.234	gamma-Curcumene	0.11
48.438	Ar-Curcumene	5.08
48.627	trans-beta-Bergamotene	0.07
48.837	Unidentified	0.08
49.305	alpha-Zingiberene	5.50
49.837	Unidentified + E,E-alpha-Farnesene	0.16
50.089	beta-Bisabolene	1.60

R.Time	Name	Area%
50.175	beta-Curcumene	0.09
50.284	alpha-Alaskene	0.03
50.688	Unidentified	1.18
51.060	beta-Sesquiphellandrene	8.09
51.226	trans-gamma-Bisabolene	0.27
51.280	Unidentified	0.10
51.693	Unidentified	0.07
51.828	Selina-4(15),7(11)-diene	0.14
52.119	Selina-3,7(11)-diene	0.24
52.706	Unidentified	0.08
52.836	Sesquisabinene hydrate isomer	0.21
52.890	Unidentified	0.08
53.124	Germacrene B	0.39
53.220	Unidentified	0.11
53.641	Unidentified	0.11
53.964	Unidentified	0.13
54.084	Unidentified	0.10
54.204	Ar-Tumerol	1.54
54.481	Caryophyllene oxide	0.06
54.941	Unidentified	0.46
55.045	Unidentified	0.02
55.416	Unidentified	0.07
55.597	Unidentified	0.28
55.723	Unidentified	0.23
55.856	Unidentified	0.13
55.938	Unidentified	0.23
56.060	Unidentified	0.08
56.342	cis-Zingiberenol	0.60
56.703	anti-syn-syn-Helifolen-12-al C	0.43
56.861	Unidentified	0.14
57.314	trans-Zingiberenol	0.54
57.501	Unidentified	0.85
57.690	Unidentified	0.13
58.032	Unidentified	0.30
58.145	Unidentified	0.04
58.766	Unidentified	0.16
59.165	Ar-Tumerone	24.62
59.380	Deodarone isomer	1.88
59.450	Tumerone	11.52
59.530	beta-Bisabolol	0.49
59.690	Unidentified	0.13
59.797	Unidentified	0.23
59.960	trans-alpha-trans-Bergamotal	0.13
60.410	Unidentified	0.67
60.785	Germacrone	0.14
60.864	Unidentified	0.28
61.048	Curlone analogue	0.27
61.256	Curlone	11.71
61.511	Unidentified	0.09
61.868	cis-alpha-Atlantone	0.41
62.275	Unidentified	0.04
62.503	cis-Nuciferol	0.07
63.458	Unidentified	1.08
63.659	Unidentified	0.14
63.745	Unidentified	0.13
64.054	Unidentified	0.11
64.438	Unidentified	0.19
64.549	Unidentified	0.25
64.945	Unidentified	0.07
65.099	trans-alpha-Atlantone	1.93
65.462	Unidentified	0.08
65.889	Unidentified	0.05

R.Time	Name	Area%
65.998	Unidentified	0.13
66.115	Unidentified	0.24
66.862	Unidentified	0.23
66.975	Unidentified	0.06
67.060	Unidentified	0.18
67.183	Unidentified	0.08
68.572	Unidentified	0.04
69.577	Unidentified	0.04
70.616	Unidentified	0.29
71.491	Unidentified	0.13
72.709	Unidentified	0.06
73.097	Unidentified	0.18
75.756	Unidentified	0.15
		100.00