

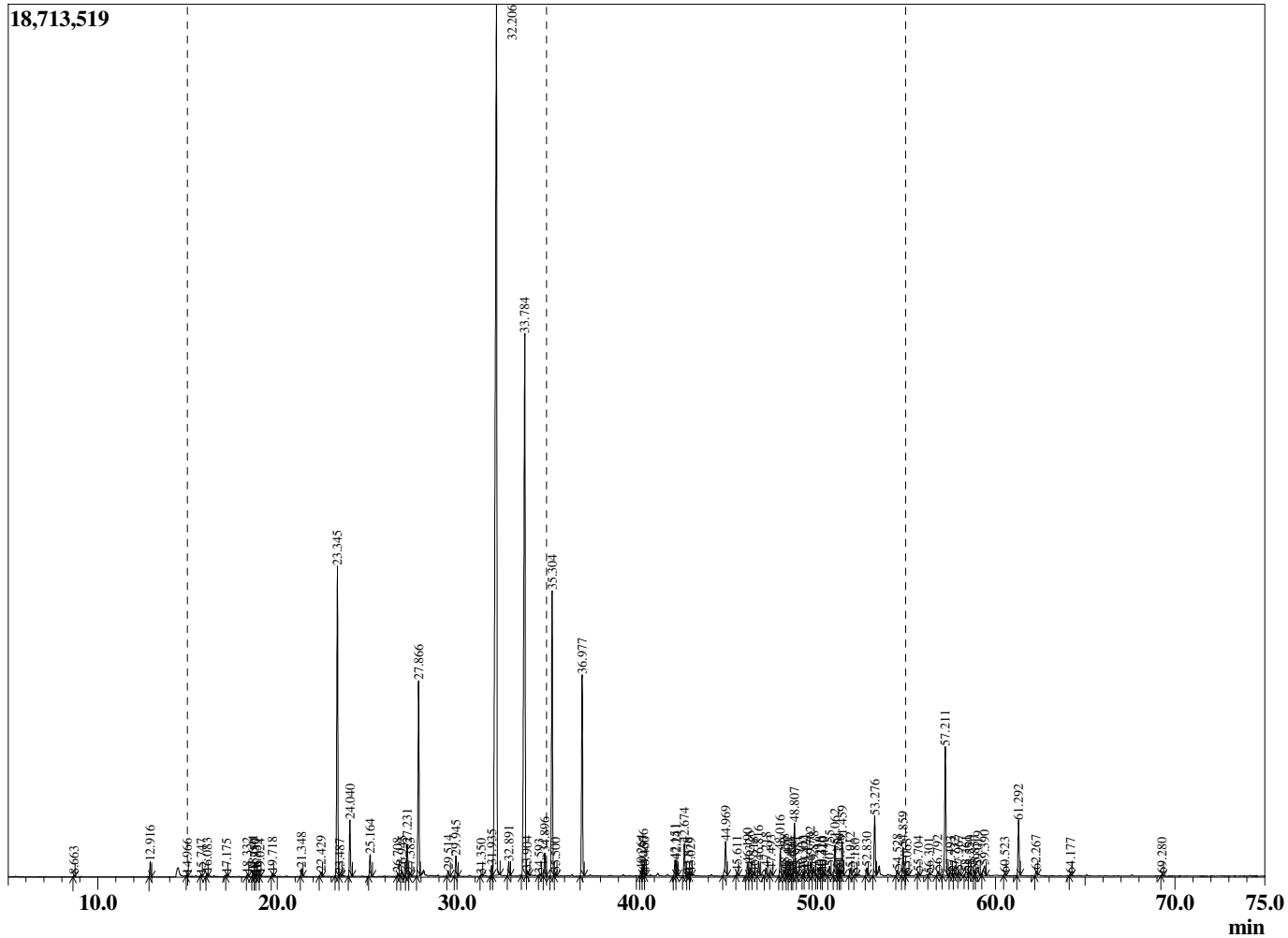
Sample Information

Sample Type : Essential Oil
 Sample Name : Pelargonium graveolens
 Injection Volume : 0.10

Geranium Egypt
 Lot# EGW31-WC
 Country: Egypt



Chromatogram Pelargonium graveolens



R.Time	Name	Area%
8.663	3-Methyl pentanol	0.03
12.916	alpha-Pinene	0.29
14.966	Bois de Rose oxide	0.03
15.747	6-Methyl hept-5-en-2-one	0.03
16.083	Myrcene	0.06
17.175	alpha-Phellandrene	0.04
18.332	para-Cymene	0.05
18.641	Limonene	0.11
18.750	beta-Phellandrene	0.03
18.837	Unidentified	0.04
19.024	cis-beta-Ocimene	0.04
19.718	trans-beta-Ocimene	0.07
21.348	cis-Linalool oxide (furanoid)	0.18
22.429	trans-Linalool oxide (furanoid)	0.12
23.345	Linalool	7.32
23.487	Unidentified	0.06
24.040	cis-Rose oxide	1.28
25.164	trans-Rose oxide	0.52
26.708	Isopulegol	0.07
26.945	Citronellal	0.12
27.231	Menthone	0.75
27.383	Unidentified	0.09
27.866	Isomenthone	4.61
29.514	Isomenthone	0.13
29.945	alpha-Terpineol	0.48
31.350	Unidentified	0.04
31.935	Nerol	0.26
32.206	Citronellol	32.74
32.891	Neral	0.32
33.784	Geraniol	16.94
33.904	Unidentified	0.13
34.593	Isogeraniol	0.04
34.896	Geranial	0.55
35.304	Citronellyl formate	6.96
35.500	Neryl formate	0.06
36.977	Geranyl formate	4.92
40.264	alpha-Cubebene	0.13
40.376	Citronellyl acetate	0.28
40.460	Eugenol	0.05
42.151	alpha-Copaene	0.40
42.241	Geranyl acetate	0.38
42.674	beta-Bourbonene	0.85
42.878	alpha-Bourbonene	0.06
43.029	beta-Elemene	0.06
44.969	beta-Caryophyllene	0.97
45.611	beta-Copaene	0.08
46.190	Citronellyl propionate	0.32
46.326	6,9-Guaiadiene	0.22
46.518	Unidentified	0.07
46.816	Unidentified	0.37
47.218	alpha-Humulene	0.21
47.493	Alloaromadendrene	0.12
48.016	Geranyl propionate	0.65
48.238	10-beta-H-Cadina-1(6),4-diene	0.17
48.422	trans-Cadina-1(6),4-diene	0.10
48.491	Unidentified	0.06

R.Time	Name	Area%
48.690	alpha-Amorphene	0.04
48.807	Germacrene D	1.42
48.981	Unidentified	0.11
49.302	beta-Selinene	0.11
49.421	Viridiflorene	0.25
49.702	Bicyclgermacrene	0.39
49.878	alpha-Murolene	0.22
50.218	(E,E)-alpha-Farnesene	0.11
50.320	Dihydroagarofuran	0.07
50.410	Geranyl isobutyrate	0.08
50.755	gamma-Cadinene	0.25
51.062	delta-Cadinene	0.82
51.254	trans-Calamenene	0.18
51.346	Zonarene	0.11
51.459	Citronellyl butyrate	0.90
51.912	Unidentified	0.19
52.180	Selina-4(15),7(11)-diene	0.04
52.830	Unidentified	0.21
53.276	Geranyl butyrate	1.54
54.528	Spathulenol	0.13
54.859	2-Phenylethyl tiglate	0.70
55.063	Globulol	0.05
55.704	Unidentified	0.09
56.301	Eudesm-5-en-11-ol	0.04
56.792	Unidentified	0.12
57.211	10-epi-gamma-Eudesmol	3.60
57.493	1-epi-Cubenol	0.10
57.732	gamma-Eudesmol	0.07
57.967	Eremoligenol isomer	0.09
58.361	Unidentified	0.17
58.550	Guaiacwood acetate	0.10
58.857	Geranyl valerate	0.12
59.019	alpha-Eudesmol	0.44
59.390	Citronellyl tiglate	0.38
60.523	Unidentified	0.07
61.292	Geranyl tiglate	1.41
62.267	Unidentified	0.12
64.177	Geranyl hexanoate	0.05
69.280	Unidentified	0.05
		100.00