

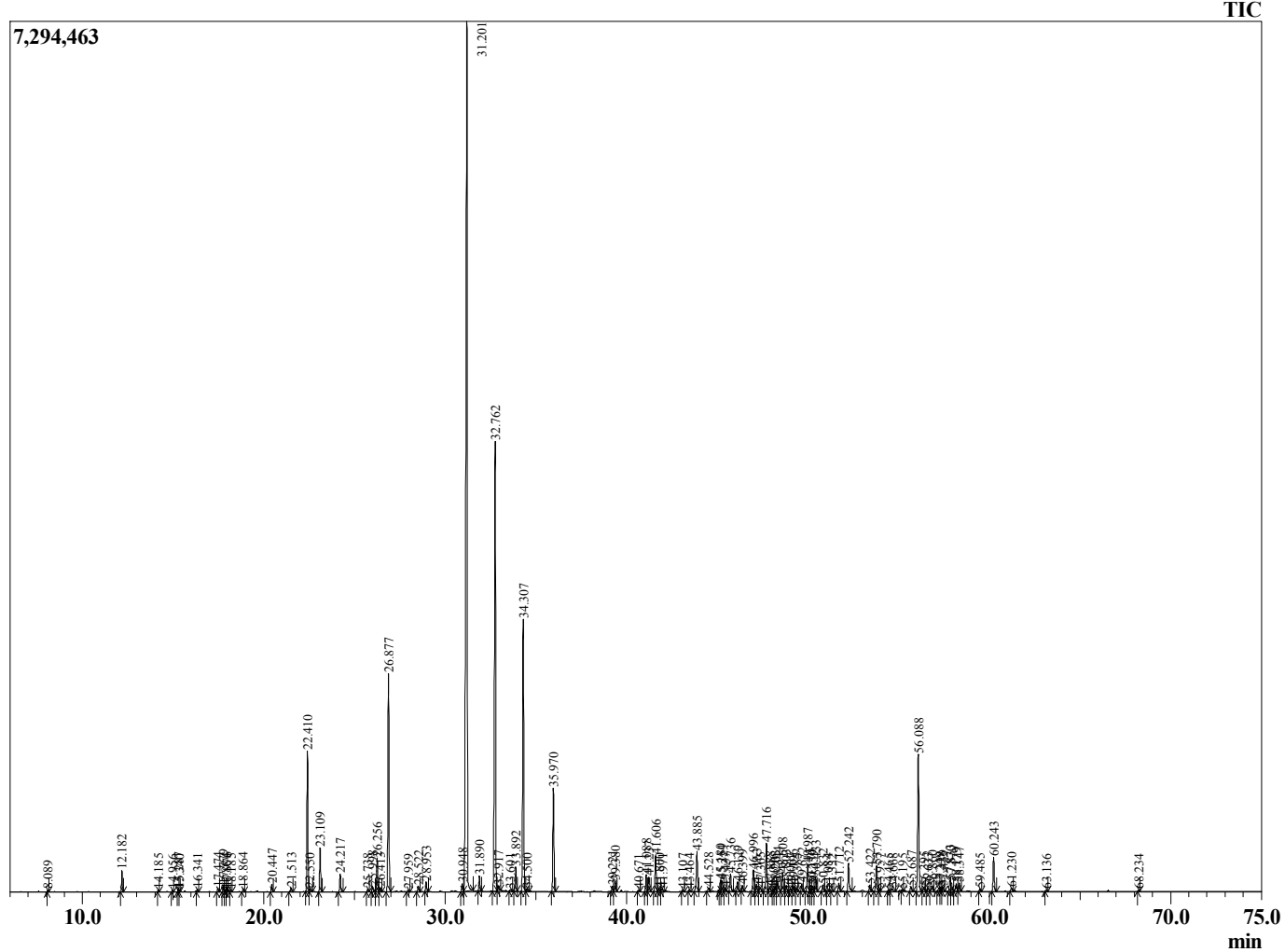
Sample Information

Analyzed : 3/19/2019 2:14:13 AM
Sample Type : Essential Oil
Sample Name : Pelargonium graveolens
Injection Volume : 0.10

Geranium Egypt
Lot# EGZ28-ZW
Country: Egypt



Chromatogram Pelargonium graveolens



Peak Report TIC		
R.Time	Name	Area%
8.089	3-Methyl pentanol	0.03
12.182	alpha-Pinene	0.46
14.185	Bois de Rose oxide	0.05
14.956	6-Methyl hept-5-en-2-one	0.05
15.287	Myrcene	0.08
15.340	Unidentified	0.03
16.341	alpha-Phellandrene	0.06
17.474	para-Cymene	0.09
17.779	Limonene	0.15
17.884	beta-Phellandrene	0.05
17.976	1,8-Cineole	0.11
18.185	cis-beta-Ocimene	0.07
18.864	trans-beta-Ocimene	0.09
20.447	cis-Linalool oxide (furanoid)	0.21
21.513	trans-Linalool oxide (furanoid)	0.13
22.410	Linalool	3.73
22.550	Unidentified	0.09
23.109	cis-Rose oxide	1.18
24.217	trans-Rose oxide	0.51
25.738	Isopulegol	0.08
25.998	Citronellal	0.16
26.256	Menthone	0.98
26.413	Unidentified	0.12
26.877	Isomenthone	6.20
27.959	Terpinen-4-ol	0.06
28.522	Isomenthol	0.17
28.953	alpha-Terpineol	0.28
30.948	Nerol	0.24
31.201	Citronellol	33.25
31.890	Neral	0.41
32.762	Geraniol	14.44
32.917	Unidentified	0.18
33.601	Isogeraniol	0.06
33.892	Geranial	0.69
34.307	Citronellyl formate	8.19
34.500	Neryl formate	0.08
35.970	Geranyl formate	3.00
39.221	alpha-Cubebene	0.18
39.380	Citronellyl acetate	0.32
40.671	alpha-Ylangene	0.05
41.088	alpha-Copaene	0.54
41.237	Geranyl acetate	0.44
41.606	beta-Bourbonene	1.12
41.800	alpha-Bourbonene	0.09
41.971	beta-Elemene	0.11
43.107	alpha-Gurjunene	0.06
43.464	Thymohydroquinone dimethyl ether	0.06
43.885	beta-Caryophyllene	1.40
44.528	beta-Copaene	0.14
45.180	Citronellyl propionate	0.36
45.254	6,9-Guaiaadiene	0.32
45.437	Unidentified	0.10
45.736	Unidentified	0.55
46.129	alpha-Humulene	0.30
46.399	Alloaromadendrene	0.17
46.996	Geranyl propionate	0.71

R.Time	Name	Area%
47.163	10-beta-H-Cadina-1(6),4-diene	0.26
47.365	Unidentified	0.19
47.716	Germacrene D	1.59
47.888	Unidentified	0.16
48.096	delta-Selinene	0.04
48.203	beta-Selinene	0.17
48.344	Viridiflorene (Ledene)	0.37
48.608	Bicyclogermacrene	0.63
48.803	alpha-Murolene	0.20
49.067	Unidentified	0.09
49.196	Unidentified	0.20
49.385	Unidentified	0.09
49.672	gamma-Cadinene	0.26
49.987	delta-Cadinene	0.92
50.170	cis-Calamenene	0.21
50.259	Zonarene	0.17
50.433	Citronellyl butyrate	0.47
50.832	trans-Cadina-1,4-diene	0.22
51.084	Eremophilene isomer	0.07
51.332	alpha-Calacorene	0.05
51.712	Unidentified	0.28
52.242	Geranyl butyrate	0.98
53.422	Spathulenol	0.21
53.790	Phenethyl tiglate	0.92
53.957	Globulol	0.05
54.465	Viridiflorol	0.05
54.668	Unidentified	0.12
55.195	Eudesm-5-en-11-ol	0.04
55.687	1,10-di-epi-Cubenol	0.16
56.088	10-epi-gamma-Eudesmol	4.59
56.395	1-epi-Cubenol	0.14
56.633	epi-gamma-Eudesmol	0.11
56.860	Hinesol	0.20
57.249	Unidentified	0.12
57.328	Unidentified	0.14
57.439	Unidentified	0.15
57.833	Unidentified	0.36
57.870	alpha-Eudesmol	0.32
58.179	Unidentified	0.27
58.347	(Z)-Citronellyl tiglate	0.25
59.485	(E)-Citronellyl tiglate	0.07
60.243	Geranyl tiglate	1.09
61.230	(2E,6E)-Farnesol	0.12
63.136	Geranyl hexanoate	0.05
68.234	Unidentified	0.04
		100.00