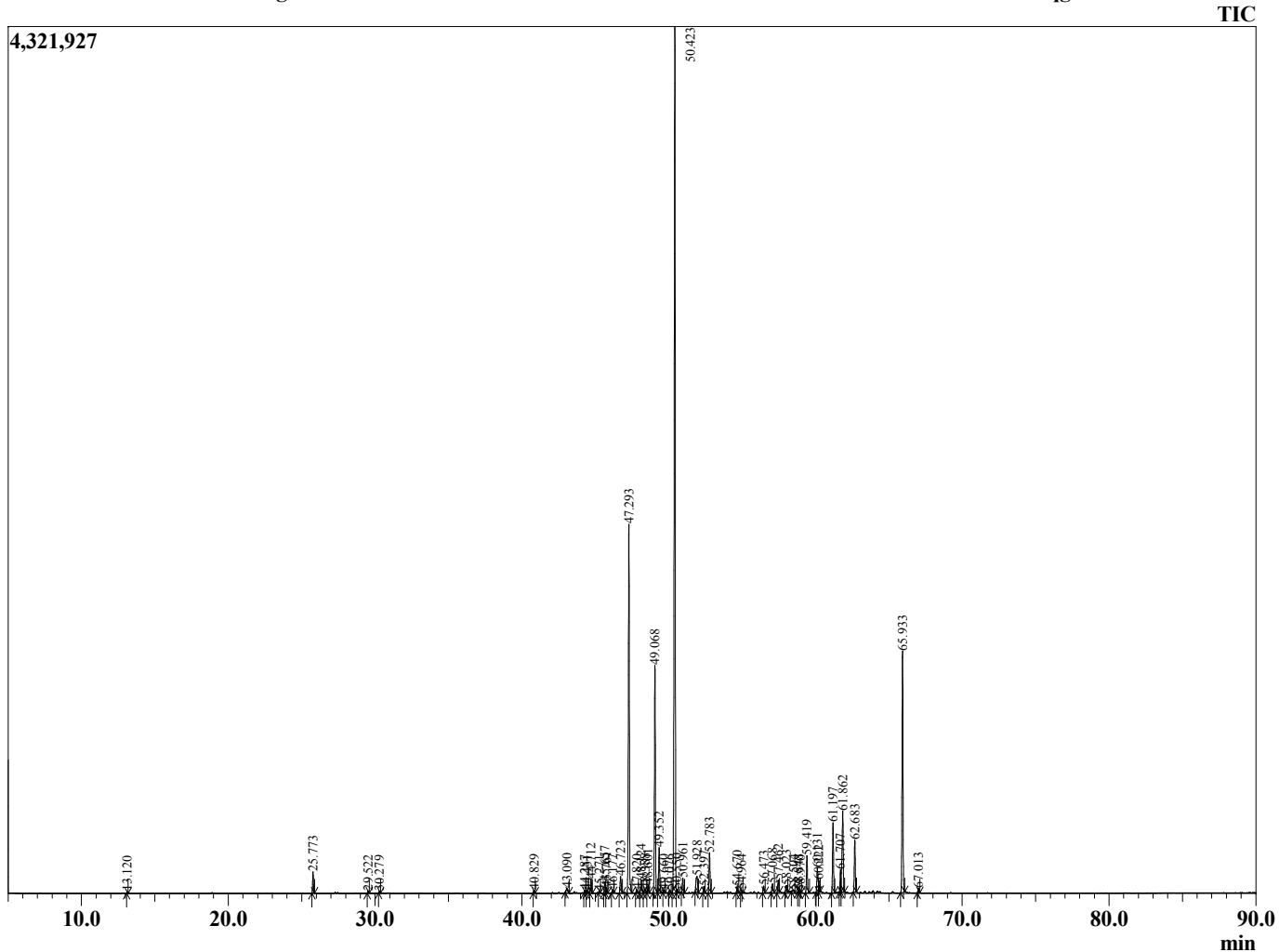


Sample Information

Analyzed by : Dr. Robert S. Pappas
 Analyzed : 10/9/2015 4:42:26 AM
 Sample Type : Essential Oil
 Sample Name : Cedarwood
 Sample ID : B151008J
 Injection Volume : 0.10
 Data File : C:\GCMSsolution\Data\EOU\Cedarwood\Cedarwood B151008J.qgd



Chromatogram Cedarwood C:\GCMSsolution\Data\EOU\Cedarwood\Cedarwood B151008J.qgd



R.Time	Name	Area%
13.120	Pinene<alpha>	0.04
25.773	4-Acetyl-1-methylcyclohexene	0.73
29.522	Acetophenone <para-methyl>	0.08
30.279	Terpineol <alpha>	0.05
40.829	Longipinene<alpha>	0.11
43.090	Isolongofolene<4,5-dehydro>	0.30
44.287	Sibirene	0.09
44.431	Vestitenone Z	0.09
44.712	Longifolene	0.57
45.271	Ylangene <beta>	0.07
45.657	Himachala-2,4-diene	0.46
45.761	Cedar	0.22
46.177	Bergamotene<alpha-trans>	0.13
46.723	Vestitenone E	0.82
47.293	Himachalene <alpha>	15.33
47.820	Cedarwood	0.15
48.124	Cedarwood	0.64
48.388	Acoradiene<10-epi-beta>	0.21
48.601	Neocallitropsene <alpha>	0.32
49.068	Himachalene <gamma>	9.40
49.352	Himachala-1,4-diene<11-alphaH>	1.89
49.660	Amorphane<Z-4,10-epoxy>	0.10
50.076	Bicyclogermacrene	0.12
50.423	Himachalene <beta>	38.76
50.550	Epizonarene	0.14
50.961	Himachalene<alpha-dehydro-ar>	0.61
51.928	Benzene, 1-(1-buten-3-yl)-4-pentyl-	1.04
52.397	Vetivenene <gamma>	0.27
52.783	Bisabolene <trans-alpha>	1.63
54.670	Himachalene epoxide	0.25
54.964	Cedar	0.13
56.473	Longiborneol(=Juniperol)	0.30
57.068	Himachalene oxide <beta>	0.42
57.462	Cedar	0.50
58.023	Cedarwood	0.33
58.504	Cedar	0.20
58.848	Himachalol<alpha>	0.11
58.970	Himachalol	0.05
59.419	Himachalol<beta>	1.60
60.131	Himachalol<allo>	1.08
60.222	Dihydroatlantone <E-10, 11>	0.41
61.197	Atlantone<Z-gamma>	2.85
61.707	Deodorone(4R,8R)	0.88
61.862	Atlantone<E-gamma>	4.24
62.683	Atlantone<Z-alpha>	2.07
65.933	Atlantone <E-alpha>	10.02
67.013	Cedarwood	0.20
		100.00

Comments:

Typical Ranges of Main Components: