

Sample Information

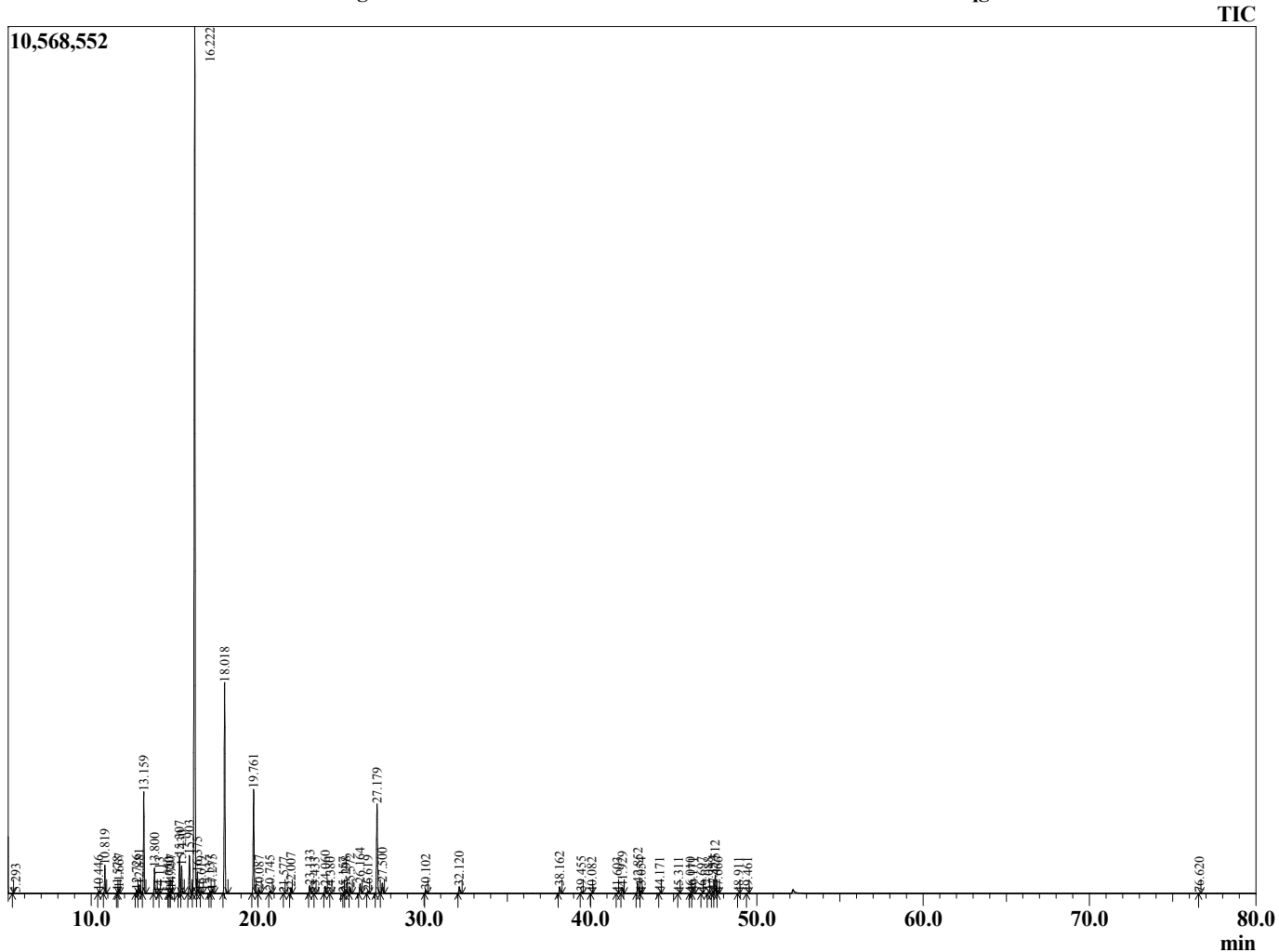
Analyzed by : Dr. Robert S. Pappas
 Analyzed : 8/7/2015 2:18:12 AM
 Sample Type : Essential Oil
 Sample Name : Lime
 Sample ID : BA150805B
 Injection Volume : 0.10
 Data File : C:\GCMSsolution\Data\EOU\Lime\Lime BA150805B.qgd



Peak Report TIC

R.Time	Name	Area%
5.293	Cyclohexene, <3-methylene->	0.01
10.446	Thujene <alpha->	0.10
10.819	Pinene<alpha->	1.25
11.578	Fenchene <alpha->	0.07
11.667	Camphene	0.22
12.726	Geranic oxide	0.18
12.881	Sabinene	0.41
13.159	Pinene<beta->	4.95
13.800	Myrcene	1.29
14.113	Carene<delta-2>	0.01
14.650	Pseudolimonene	0.02
14.720	1,4-Cyclohexadiene, 3-ethenyl-1,2-dimethyl-	0.03
14.797	Phellandrene<alpha->	0.20
15.307	Cineole<1,4->	1.95
15.430	Terpinene <alpha->	1.49
15.903	Cymene <para->	2.14
16.222	Limonene	52.73
16.375	Cineole<1,8->	1.10
16.619	Ocimene<(Z)-beta->	0.09
17.137	Tetrahydrofuran <2,2-dimethyl-5-(1-methylpr	0.12
17.275	Ocimene<(E)-beta->	0.20
18.018	Terpinene<gamma->	11.96
19.761	Terpinolene	5.94
20.087	Cymenene <para->	0.17
20.745	Linalool	0.16
21.577	p-Menta-1,3,8-triene	0.01
22.007	Fenchol<endo->	0.33
23.133	Terpin-3-en-1-ol	0.50
23.433	Sabinol <trans->	0.02
24.060	Terpineol <trans-, beta->	0.44
24.380	Ocimenol<Z-beta>	0.03
25.157	Ocimenol<E-beta>	0.02
25.298	Terpineol <trans-beta>	0.10
25.572	Borneol	0.31
26.164	Terpinen-4-ol	0.63
26.619	Cymen-8-ol<p>	0.13
27.179	Terpineol <alpha>	5.62
27.500	Terpineol <gamma>	0.68
30.102	Neral	0.24
32.120	Geranial	0.45
38.162	Neryl acetate	0.45
39.455	Geranyl acetate	0.11
40.082	Elemene<beta->	0.02
41.603	Bergamotene <cis-alpha>	0.03
41.929	Caryophyllene <trans->	0.44
42.852	Bergamotene <trans-alpha>	0.70
43.054	Farnesene<Z-beta>	0.02
44.171	Farnesene<(E)-beta>	0.06
45.311	Selina-4,11-diene	0.04
46.010	Curcumene Ar+Germacrene D	0.02
46.171	Selinene <delta>	0.08
46.697	Selinene <alpha>	0.03
47.088	Bisabolene <alpha>	0.07
47.354	Farnesene<(E,E)-alpha>	0.14
47.512	Bisabolene <beta>	1.27
47.666	Bisabolene <Z-gamma>	0.05
48.911	Zonarene	0.05
49.461	Bisabolene <trans-alpha>	0.04
76.620	Ricinaldic acid lactone	0.04
		100.00

Chromatogram Lime C:\GCMSsolution\Data\EOU\Lime\Lime BA150805B.qgd



Comments:

Typical Ranges of Main Components: