

Sample Information

Analyzed by : Dr. Robert S. Pappas
 Analyzed : 8/23/2019 12:26:08 AM
 Sample Type : Essential Oil
 Sample Name : Palo Santo - Edens Garden
 Sample ID : AI15HB
 Injection Volume : 0.10
 Instrument ID : GC-2

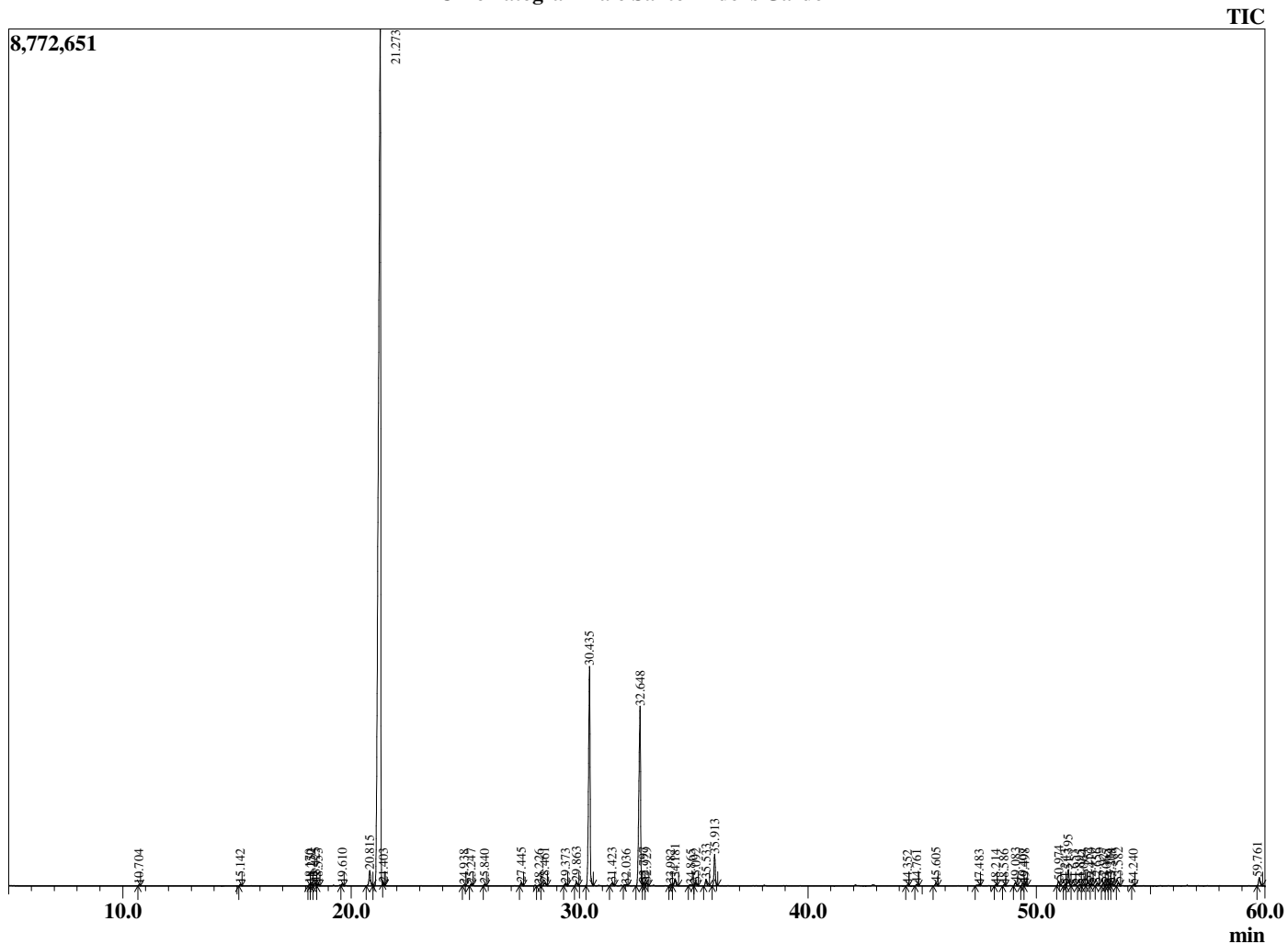


Peak Report TIC

R.Time	Name	Area%
10.704	3-Methylcyclopentanone	0.03
15.142	alpha-Pinene	0.06
18.170	Unidentified	0.06
18.252	Cyclohexyl methyl ketone	0.07
18.425	Myrcene	0.15
18.553	dehydro-1,8-Cineole	0.08
19.610	alpha-Phellandrene	0.10
20.815	para-Cymene	0.85
21.273	Limonene	68.67
21.403	1,8-Cineole	0.02
24.938	Terpinolene	0.04
25.247	para-Cymenene	0.07
25.840	Linalool	0.07
27.445	trans-para-Mentha-2,8-dienol	0.15
28.226	cis-Limonene oxide	0.04
28.461	Unidentified	0.19
29.373	trans-beta-Terpineol	0.11
29.863	Menthone	0.19
30.435	Menthofuran	11.69
31.423	Unidentified	0.18
32.036	Unidentified	0.09
32.648	alpha-Terpineol	10.74
32.797	cis-Dihydrocarvone	0.16
32.929	trans-Piperitol	0.16
33.982	Unidentified	0.06
34.181	trans-Carveol	0.37
34.865	Unidentified	0.07
35.092	cis-Carveol	0.14
35.533	Pulegone	0.32
35.913	Carvone	1.49
44.352	alpha-Ylangene	0.04
44.761	alpha-Copaene	0.08
45.605	beta-Elemene	0.17
47.483	beta-Ylangene	0.08
48.214	beta-Copaene	0.04
48.586	cis-Thujopsene	0.04
49.083	Unidentified	0.17
49.407	Unidentified	0.13
49.498	Unidentified	0.11
50.974	trans-Cadina-1(6),4-diene	0.22
51.243	alpha-Amorphene	0.04
51.395	Germacrene D	0.85
51.653	Unidentified	0.05
51.895	beta-Selinene	0.06
52.064	trans-Murrola-4(14),5-diene	0.06
52.252	Menthylactone	0.20
52.410	alpha-Murolene	0.07
52.656	(E,E)-alpha-Farnesene	0.11
52.927	beta-Bisabolene	0.15
53.065	Cuparene	0.04
53.214	Unidentified	0.12
53.308	gamma-Cadinene	0.11
53.582	delta-Cadinene	0.15
54.240	Unidentified	0.04
59.761	Humulane-1,6-dien-3-ol	0.46
		100.00

This report is valid for 1 year from the analyzed date.

Chromatogram Palo Santo - Edens Garden



Comments:

The analysis of this Palo Santo batch sample meets the expected chemical profile for authentic essential oil of *Bursera graveolens*. No contamination or adulteration was detected.