

Sample Information

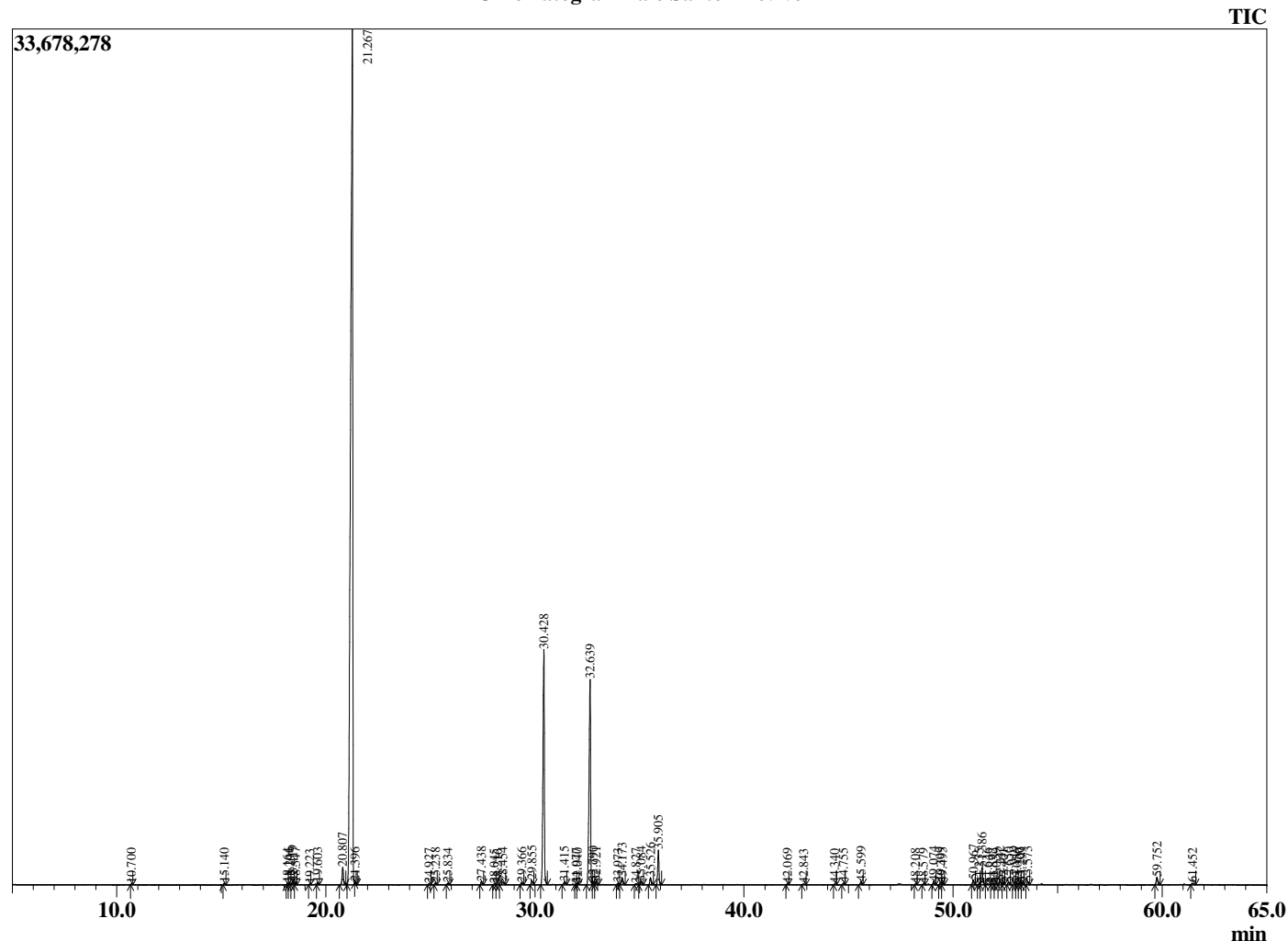
Analyzed by : Dr. Robert S. Pappas
 Analyzed : 7/27/2019 9:35:55 AM
 Sample Type : Essential Oil
 Sample Name : Palo Santo - Revive
 Sample ID : E0C0627C
 Injection Volume : 0.10
 Instrument ID: : GC-2



Peak Report TIC

R.Time	Name	Area%
10.700	3-Methylcyclopentanone	0.03
15.140	alpha-Pinene	0.06
18.164	Unidentified	0.06
18.246	Cyclohexyl methyl ketone	0.07
18.419	Myrcene	0.15
18.547	Dehydro-1,8-Cineole	0.07
19.223	1-para-Menthene	0.02
19.603	alpha-Phellandrene	0.10
20.807	para-Cymene	0.91
21.267	Limonene	67.55
21.396	1,8-Cineole	0.02
24.927	Terpinolene	0.04
25.238	para-Cymenene	0.08
25.834	Linalool	0.07
27.438	cis-para-Menth-2-en-1-ol	0.14
28.045	4-Acetyl-1-methylcyclohexene	0.03
28.216	cis-Limonene oxide	0.03
28.454	Unidentified	0.18
29.366	trans-beta-Terpineol	0.11
29.855	Menthone	0.19
30.428	Menthofuran	12.10
31.415	Unidentified	0.17
31.977	para-Cymen-8-ol	0.05
32.040	Unidentified	0.05
32.639	alpha-Terpineol	11.38
32.790	cis-Dihydrocarvone	0.15
32.921	trans-Piperitol	0.16
33.973	Unidentified	0.07
34.173	trans-Carveol	0.36
34.827	Unidentified	0.06
35.084	cis-Carveol	0.14
35.526	Pulegone	0.32
35.905	Carvone	1.58
42.069	delta-Elementene	0.03
42.843	alpha-Cubebene	0.05
44.340	alpha-Ylangene	0.04
44.755	alpha-Copaene	0.07
45.599	beta-Elementene	0.16
48.208	Germacrene D	0.04
48.579	cis-Thujopsene	0.04
49.074	Unidentified	0.16
49.399	alpha-Gurjunene	0.12
49.495	Unidentified	0.11
50.967	trans-Cadina-1(6),4,-diene	0.22
51.235	alpha-Amorphene	0.04
51.386	Germacrene D	0.87
51.646	Unidentified	0.07
51.892	beta-Selinene	0.05
52.059	trans-Murrola-4(14),5,-diene	0.05
52.242	Menthylactone isomer	0.18
52.401	alpha-Murolene	0.06
52.650	(E,E)-alpha-Farnesene	0.11
52.919	beta-Bisabolene	0.14
53.056	Cuparene	0.04
53.207	4-epi-cis-Dihydroagarofuran	0.11
53.299	gamma-Cadinene	0.10
53.573	delta-Cadinene	0.14
59.752	Humulane-1,6-dien-3-ol	0.41
61.452	Valerianol	0.10
		100.00

Chromatogram Palo Santo - Revive



Comments:

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

The results provided in this GCMS quality analysis reflect the chemical composition of the oil and lot referenced above on the date of analysis.