

Sample Information

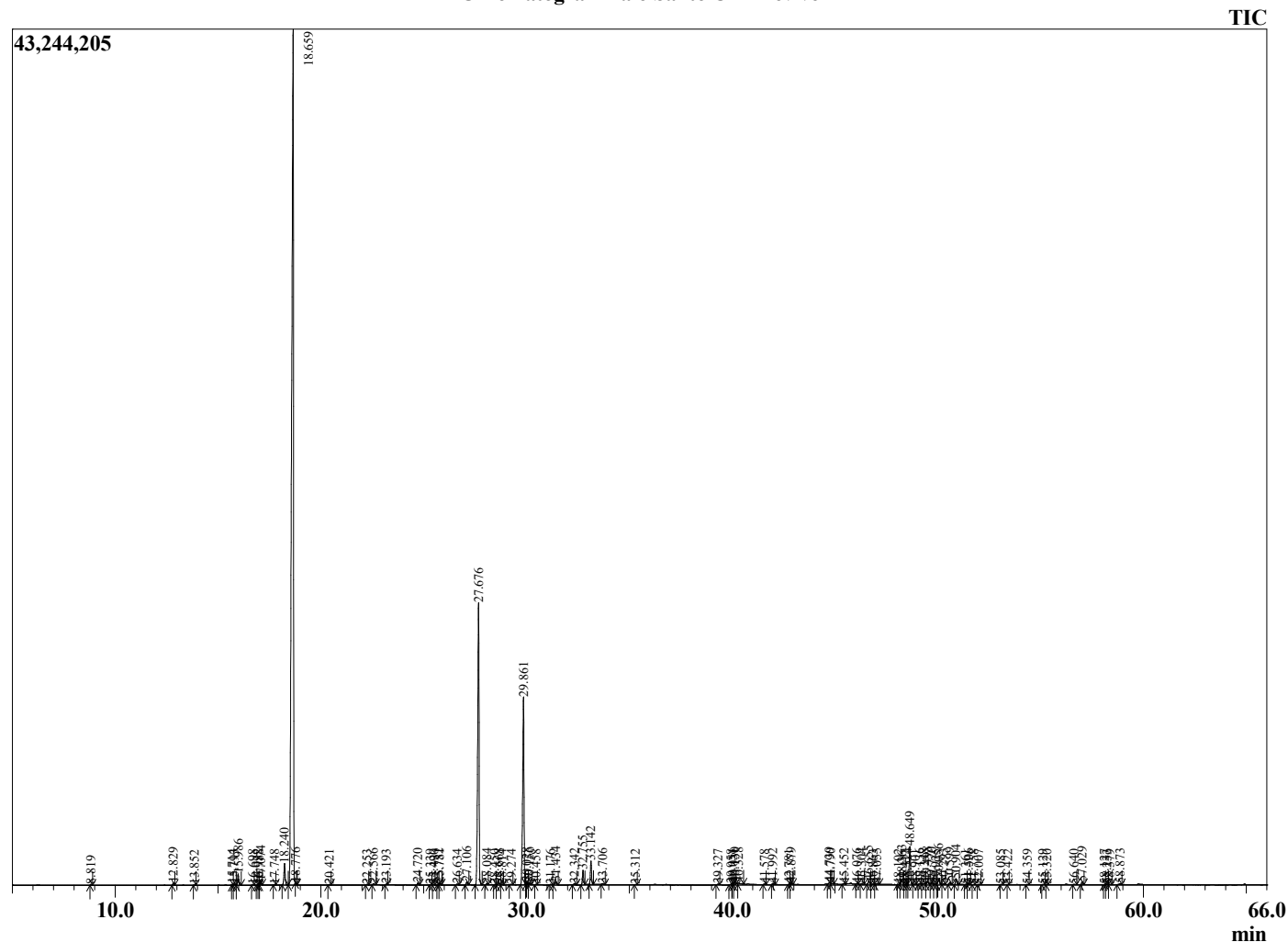
Analyzed by : Dr. Robert S. Pappas
 Analyzed : 6/16/2022 3:48:39 AM
 Sample Type : Essential Oil
 Sample Name : Palo Santo Oil - Revive
 Sample ID : 3S
 Injection Volume : 0.10
 Instrument ID: : GC-3



Peak Report TIC

R.Time	Name	Area%
8.819	3-Methyl cyclopentanone	0.03
12.829	alpha-Pinene	0.08
13.852	3-Methyl cyclohexanone	0.01
15.714	Unidentified	0.04
15.793	Unidentified	0.05
15.986	Myrcene	0.46
16.698	1-para-Menthene	0.01
16.932	Pseudolimonene	0.02
16.988	Unidentified	0.02
17.074	alpha-Phellandrene	0.18
17.748	alpha-Terpinene	0.01
18.240	para-Cymene	1.09
18.659	Limonene	64.03
18.776	1,8-Cineole	0.01
20.421	gamma-Terpinene	0.02
22.253	Terpinolene	0.03
22.566	para-Cymenene	0.06
23.193	Linalool	0.03
24.720	trans-para-Mentha-2,8-dienol	0.08
25.339	Limona ketone	0.02
25.490	cis-Limonene oxide	0.02
25.732	Unidentified	0.06
25.781	trans-Limonene oxide	0.08
26.634	cis-beta-Terpineol	0.04
27.106	Menthone	0.13
27.676	Menthofuran	15.40
28.084	delta-Terpineol	0.05
28.450	Isomenthone	0.01
28.668	Unidentified	0.08
28.814	Terpinen-4-ol	0.03
29.274	trans-Isocarveol	0.04
29.861	alpha-Terpineol	10.17
30.028	(Z)-Dihydrocarvone	0.12
30.156	cis-Piperitol	0.10
30.458	(E)-Dihydrocarvone	0.02
31.176	Unidentified	0.02
31.434	trans-Carveol	0.16
32.342	cis-Carveol	0.07
32.755	Pulegone	0.67
33.142	Carvone	1.11
33.706	Unidentified	0.04
35.312	Perillaldehyde	0.01
39.327	delta-Elementene	0.03
39.958	Evodone	0.03
40.051	Menthylactone isomer	0.07
40.130	Menthylactone	0.11
40.328	Eugenol	0.13
41.578	alpha-Ylangene	0.03
41.992	alpha-Copaene	0.06
42.781	beta-Cubebene	0.02
42.879	beta-Elementene	0.10
44.739	beta-Ylangene	0.11
44.790	Unidentified	0.06
45.452	beta-Copaene	0.05
46.076	Menthylactone isomer	0.03
46.304	Unidentified	0.03
46.655	Aromadendrene	0.20
46.863	trans-beta-Farnesene	0.02
47.055	alpha-Humulene	0.05
48.102	10-beta-H-Cadina-1(6),4-diene	0.01
48.263	trans-Cadina-1(6),4-diene	0.26
48.417	Unidentified	0.01

Chromatogram Palo Santo Oil - Revive



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

R.Time	Name	Area%
48.524	alpha-Amorphene	0.04
48.649	Germacrene D	2.10
48.901	Unidentified	0.01
49.136	Unidentified	0.05
49.348	trans-Murrola-4(14),5-diene	0.07
49.498	Menthallactone isomer	0.20
49.720	alpha-Murolene	0.10
49.925	alpha-Bulensene	0.02
50.056	(E,E)-alpha-Farnesene	0.33
50.293	beta-Bisabolene	0.04
50.599	gamma-Cadinene	0.11
50.904	delta-Cadinene	0.28
51.361	Menthallactone isomer	0.02
51.506	Unidentified	0.06
51.758	trans-Cadina-1,4-diene	0.01
52.007	alpha-Cadinene	0.02
53.085	Unidentified	0.01
53.422	(E)-Nerolidol	0.01
54.359	Spathulenol	0.01
55.129	Viridiflorol	0.02
55.320	Striatol	0.01
56.640	Unidentified	0.02
57.029	Humulane-1,6-dien-3-ol	0.15
58.127	tau-Cadinol	0.02
58.233	epi-alpha-Cadinol	0.04
58.379	delta-Cadinol	0.02
58.873	alpha-Cadinol	0.07
		100.00