

Sample Information

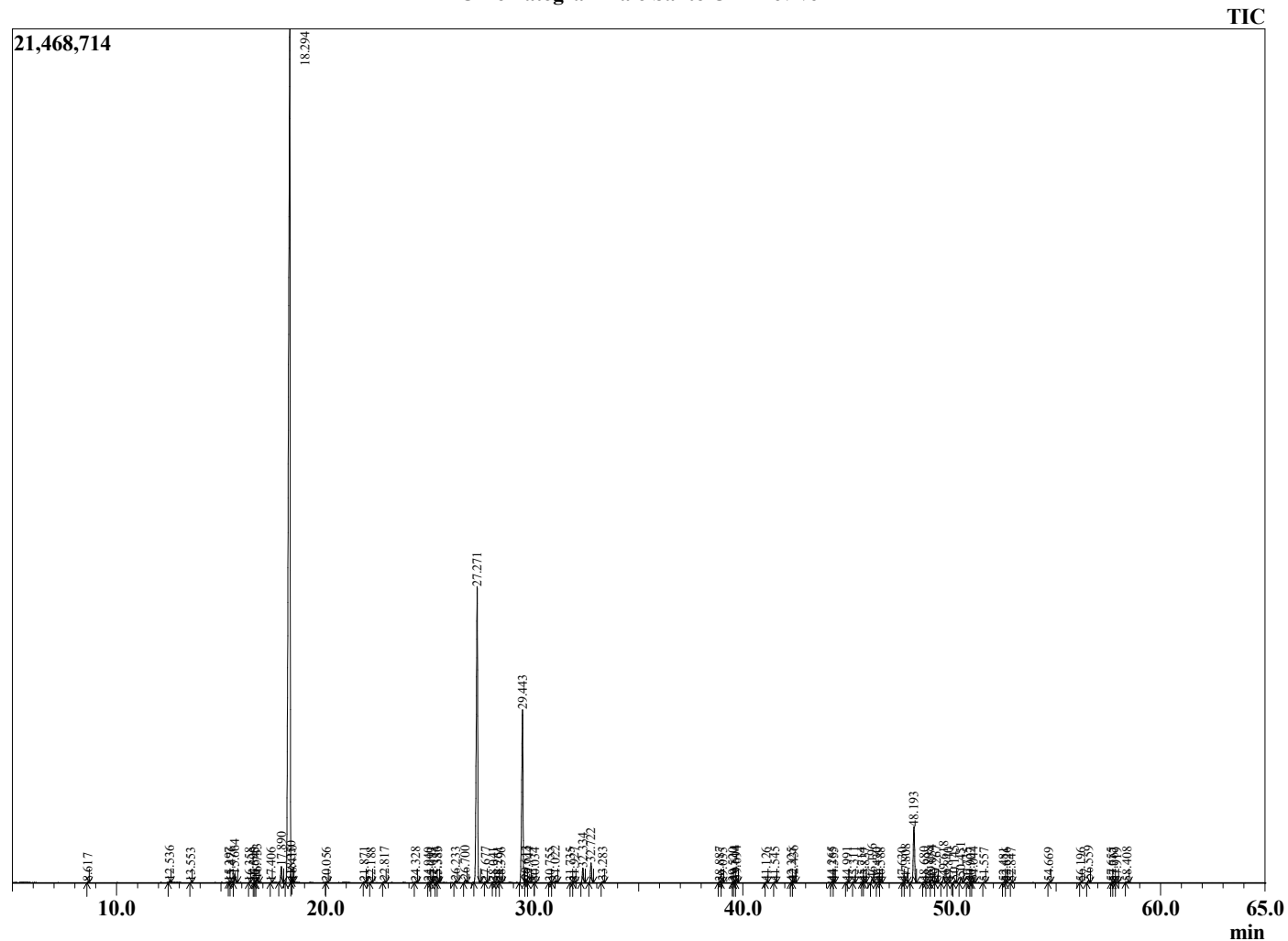
Analyzed by : Dr. Robert S. Pappas
 Analyzed : 1/29/2024 11:20:20 PM
 Sample Type : Essential Oil
 Sample Name : Palo Santo Oil - Revive
 Sample ID : 8N
 Injection Volume : 0.10
 Instrument ID: : GC-3



Peak Report TIC

R.Time	Name	Area%
8.617	3-Methyl cyclopentanone	0.01
12.536	alpha-Pinene	0.06
13.553	3-Methyl cyclohexanone	0.01
15.397	Unidentified	0.02
15.476	Unidentified	0.03
15.664	Myrcene	0.36
16.358	Unidentified	0.01
16.590	Unidentified	0.01
16.645	Unidentified	0.02
16.733	alpha-Phellandrene	0.16
17.406	alpha-Terpinene	0.01
17.890	para-Cymene	0.85
18.294	Limonene	62.24
18.350	beta-Phellandrene	0.23
18.410	1,8-Cineole	0.00
20.056	gamma-Terpinene	0.02
21.871	Terpinolene	0.03
22.188	para-Cymenene	0.03
22.817	Linalool	0.05
24.328	trans-para-Mentha-2,8-dienol	0.04
24.940	Unidentified	0.01
25.093	cis-Limonene oxide	0.02
25.336	Unidentified	0.04
25.383	trans-Limonene oxide	0.04
26.233	cis-beta-Terpineol	0.06
26.700	Menthone	0.12
27.271	Menthofuran	17.32
27.677	delta-Terpineol	0.03
28.041	Unidentified	0.01
28.261	Unidentified	0.05
28.396	Terpinen-4-ol	0.02
29.443	alpha-Terpineol	9.87
29.613	cis-Dihydrocarvone	0.13
29.744	cis-Piperitol	0.07
30.034	trans-Dihydrocarvone	0.01
30.755	Unidentified	0.02
31.022	trans-Carveol	0.10
31.735	Unidentified	0.01
31.927	cis-Carveol	0.05
32.334	Pulegone	0.73
32.722	Carvone	1.01
33.283	Unidentified	0.05
38.887	delta-Elementene	0.04
39.035	Unidentified	0.01
39.520	Unidentified	0.01
39.614	Menthafulolactone isomer	0.09
39.694	Menthafulolactone	0.12
41.126	alpha-Ylangene	0.03
41.545	alpha-Copaene	0.05
42.325	Unidentified	0.02
42.436	beta-Elementene	0.10
44.265	beta-Ylangene	0.04
44.355	beta-Caryophyllene	0.02
44.991	beta-Copaene	0.05
45.311	cis-Thujopsene	0.03
45.714	Unidentified	0.01
45.837	Unidentified	0.02
46.196	Aromadendrene	0.20
46.430	Unidentified	0.01
46.588	Unidentified	0.02
47.630	Unidentified	0.00
47.808	trans-Cadina-1(6),4-diene	0.22

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%
48.193	Germacrene D	3.29
48.680	Unidentified	0.04
48.898	trans-Murrola-4(14),5-diene	0.07
49.054	Menthallactone isomer	0.21
49.267	alpha-Murolene	0.09
49.618	trans,trans-alpha-Farnesene	0.38
49.840	Unidentified	0.02
50.145	gamma-Cadinene	0.10
50.451	delta-Cadinene	0.30
50.735	Unidentified	0.01
50.907	Unidentified	0.01
51.044	Seychellene analogue	0.09
51.557	Unidentified	0.02
52.481	Unidentified	0.02
52.626	Unidentified	0.01
52.847	Unidentified	0.01
54.669	Viridiflorol	0.02
56.196	Unidentified	0.01
56.559	Humulane-1,6-dien-3-ol	0.12
57.655	Unidentified	0.01
57.767	epi-alpha-Cadinol	0.04
57.919	delta-Cadinol	0.02
58.408	alpha-Cadinol	0.05
		100.00