

Sample Information

Analyzed by : Dr. Robert S. Pappas
 Analyzed : 4/30/2019 6:56:14 AM
 Sample Type : Essential Oil
 Sample Name : Palmarosa - Barefut
 Sample ID : 0104
 Injection Volume : 0.10
 Instrument ID : GC-3

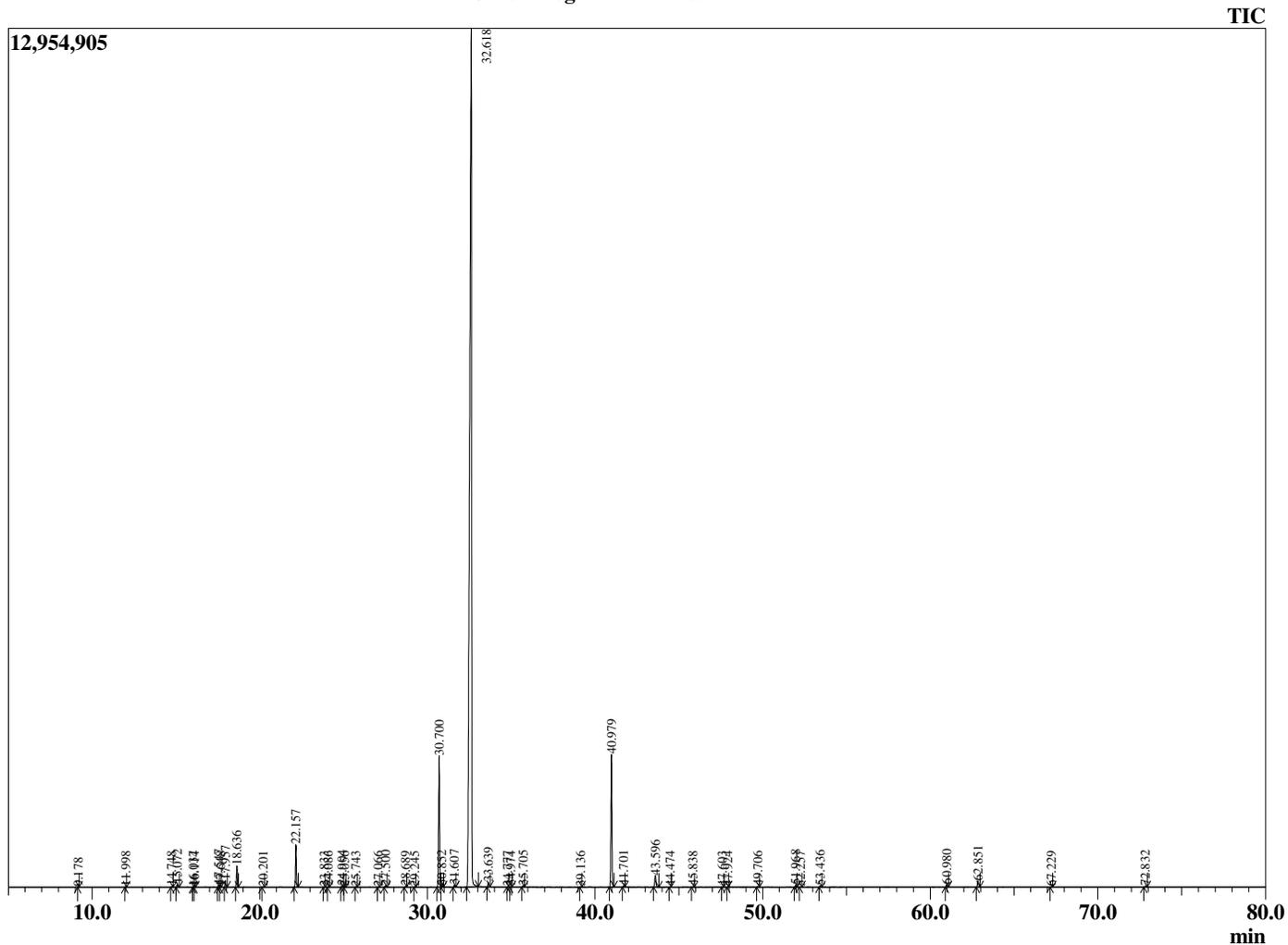


Peak Report TIC

R.Time	Name	Area%
9.178	Isopentyl acetate	0.00
11.998	alpha-Pinene	0.01
14.748	6-Methyl hept-5-en-2-one	0.04
15.072	Myrcene	0.14
16.037	Unidentified	0.02
16.114	alpha-Phellandrene	0.01
17.547	Limonene	0.10
17.648	beta-Phellandrene	0.01
17.957	cis-beta-Ocimene	0.26
18.636	trans-beta-Ocimene	0.92
20.201	cis-Linalool oxide (furanoid)	0.03
22.157	Linalool	1.93
23.833	cis-para-Menth-2-en-1-ol	0.02
24.086	allo-Ocimene	0.04
24.904	neo-allo-Ocimene	0.06
25.056	trans-para-Menth-2-en-1-ol	0.01
25.743	Citronellal	0.02
27.066	Unidentified	0.01
27.500	Menthol	0.07
28.689	alpha-Terpineol	0.04
29.245	Unidentified	0.01
30.700	Nerol	6.53
30.852	Citronellol	0.07
31.607	Neral	0.10
32.618	Geraniol	80.85
33.639	Geranial	0.21
34.777	Bornyl acetate	0.01
34.974	Unidentified	0.03
35.705	Geranyl formate	0.06
39.136	Unidentified	0.02
40.979	Geranyl acetate	6.80
41.701	beta-Elemene	0.04
43.596	beta-Caryophyllene	0.66
44.474	trans-alpha-Bergamotene	0.01
45.838	alpha-Humulene	0.04
47.603	beta-Chamigrene	0.02
47.924	Unidentified	0.01
49.706	delta-Cadinene	0.04
51.968	Geranyl butyrate	0.10
52.257	trans-Nerolidol	0.03
53.436	Caryophyllene oxide	0.07
60.980	(2E,6E)-Farnesol	0.13
62.851	Geranyl hexanoate	0.32
67.229	Farnesyl acetate	0.02
72.832	Unidentified	0.05
		100.00

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

Chromatogram Palmarosa - Barefut



Comments:

The analysis of this Palmarosa batch sample meets the expected chemical profile for authentic essential oil of *Cymbopogon martinii*. No contamination or adulteration was detected.