

Sample Information

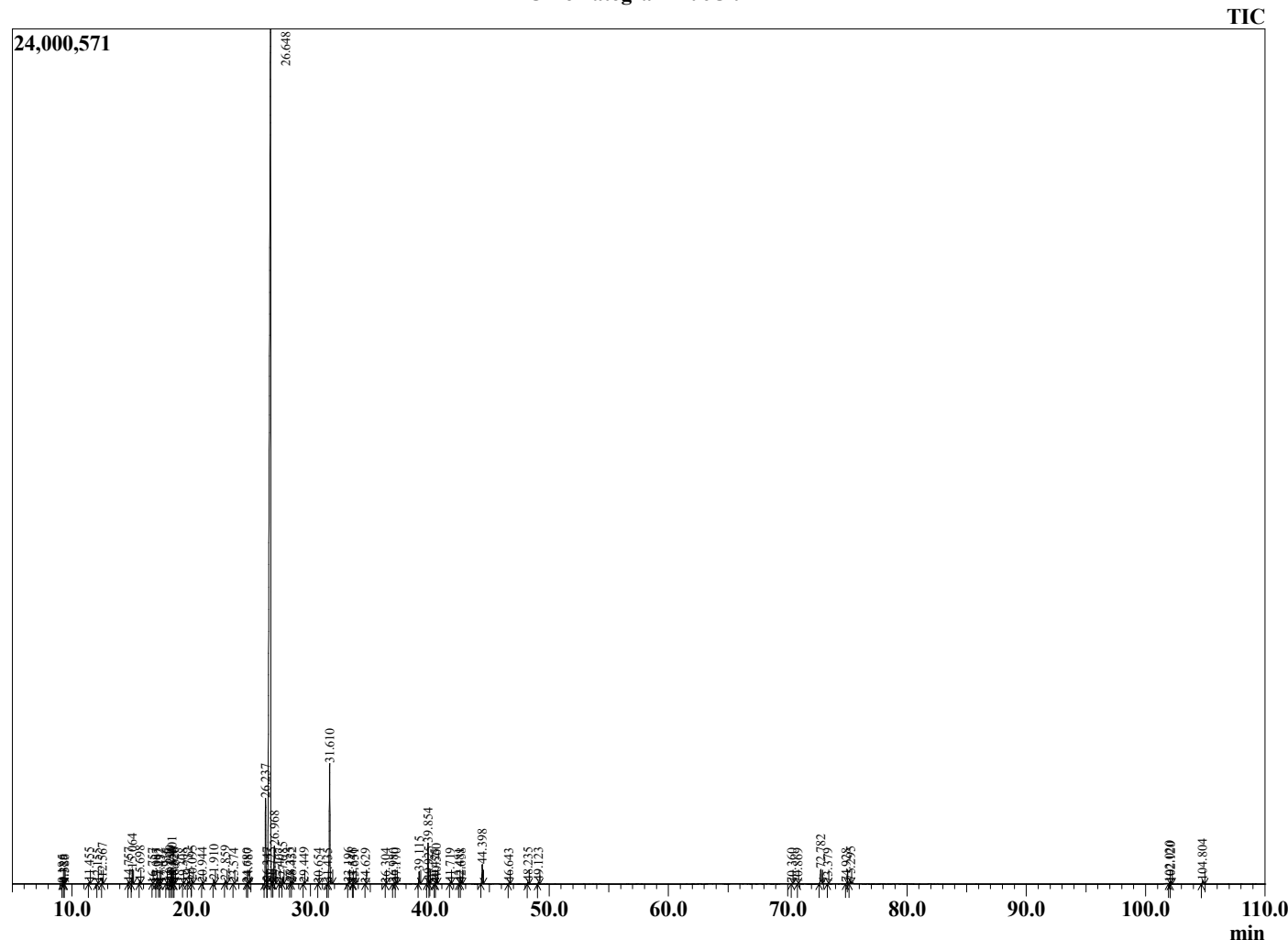
Analyzed by : Dr. Robert S. Pappas
 Analyzed : 5/18/2023 6:55:05 PM
 Sample Type : Essential Oil
 Sample Name : Lemon Eucalyptus Oil - Revive
 Sample ID : 8B
 Injection Volume : 0.10
 Instrument ID: : GC-3



Peak Report TIC

R.Time	Name	Area%
3.713	3-Methylcyclopentene	0.01
3.866	Methyl cyclopentane	0.00
4.122	3-Methylbutanal	0.01
9.185	Unidentified	0.01
9.329	1-Isopropyl-3-methylcyclopentane isomer	0.01
9.386	1-Isopropyl-3-methylcyclopentane isomer	0.01
11.455	Isobutyl isobutyrate	0.05
12.155	alpha-Thujene	0.02
12.567	alpha-Pinene	0.19
14.757	Sabinene	0.06
15.064	beta-Pinene	0.55
15.698	Myrcene	0.12
16.757	alpha-Phellandrene	0.01
17.087	Isoamyl isobutyrate	0.02
17.292	2-Methylbutyl isobutyrate	0.01
17.432	alpha-Terpinene	0.01
17.916	para-Cymene	0.02
18.220	Limonene	0.12
18.340	beta-Phellandrene	0.02
18.401	1,8-Cineole	0.49
18.526	Unidentified	0.02
18.620	cis-beta-Ocimene	0.05
19.308	trans-beta-Ocimene	0.02
19.732	2,6-Dimethyl-5-heptenal (Melonal)	0.06
20.095	gamma-Terpinene	0.11
20.944	para-Mentha-3,8-diene	0.05
21.910	Terpinolene	0.16
22.859	Linalool	0.12
23.574	cis-Rose oxide	0.02
24.680	trans-Rose oxide	0.01
24.787	Unidentified	0.03
26.237	Isopulegol	4.05
26.347	Unidentified	0.05
26.648	Citronellal	78.96
26.725	Unidentified	0.06
26.968	Neoisopulegol	2.36
27.407	Isomenthone	0.01
27.685	Isopulegol	0.27
28.325	Neoisopulegol	0.07
28.452	Terpinen-4-ol	0.05
29.449	alpha-Terpineol	0.05
30.654	Unidentified	0.01
31.435	Nerol	0.02
31.610	Citronellol	5.66
33.196	Geraniol	0.05
33.546	Unidentified	0.01
33.651	Decanal	0.03
34.629	Isopulegyl acetate	0.01
36.304	Benzyl isobutyrate	0.01
36.980	Citronellic acid	0.05
37.170	4-Vinyl guaiacol	0.03
39.115	Citriodiol isomer	0.58
39.854	Citronellyl acetate	1.97
39.925	Eugenol	0.06
40.425	Neryl acetate	0.01
40.560	Citriodiol isomer	0.25
41.719	Geranyl acetate	0.04
42.481	beta-Elementene	0.02
42.638	Unidentified	0.07
44.398	beta-Caryophyllene	0.95
46.643	alpha-Humulene	0.05
48.235	Germacrene D	0.08

Chromatogram EucCit2



Comments:

The analysis of this Lemon Eucalyptus batch sample meets the expected chemical profile for authentic essential oil of *Eucalyptus citriodora*. 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%
49.123	Bicyclogermacrene	0.09
70.360	Unidentified	0.01
70.869	Unidentified	0.01
72.782	Citriodiol acetal isomer	1.00
73.379	Citriodiol acetal isomer	0.02
74.928	Unidentified	0.03
75.295	Citriodiol acetal isomer	0.17
102.020	Citriodiol acetal isomer	0.07
102.120	Unidentified	0.03
104.804	Unidentified	0.24
		100.00