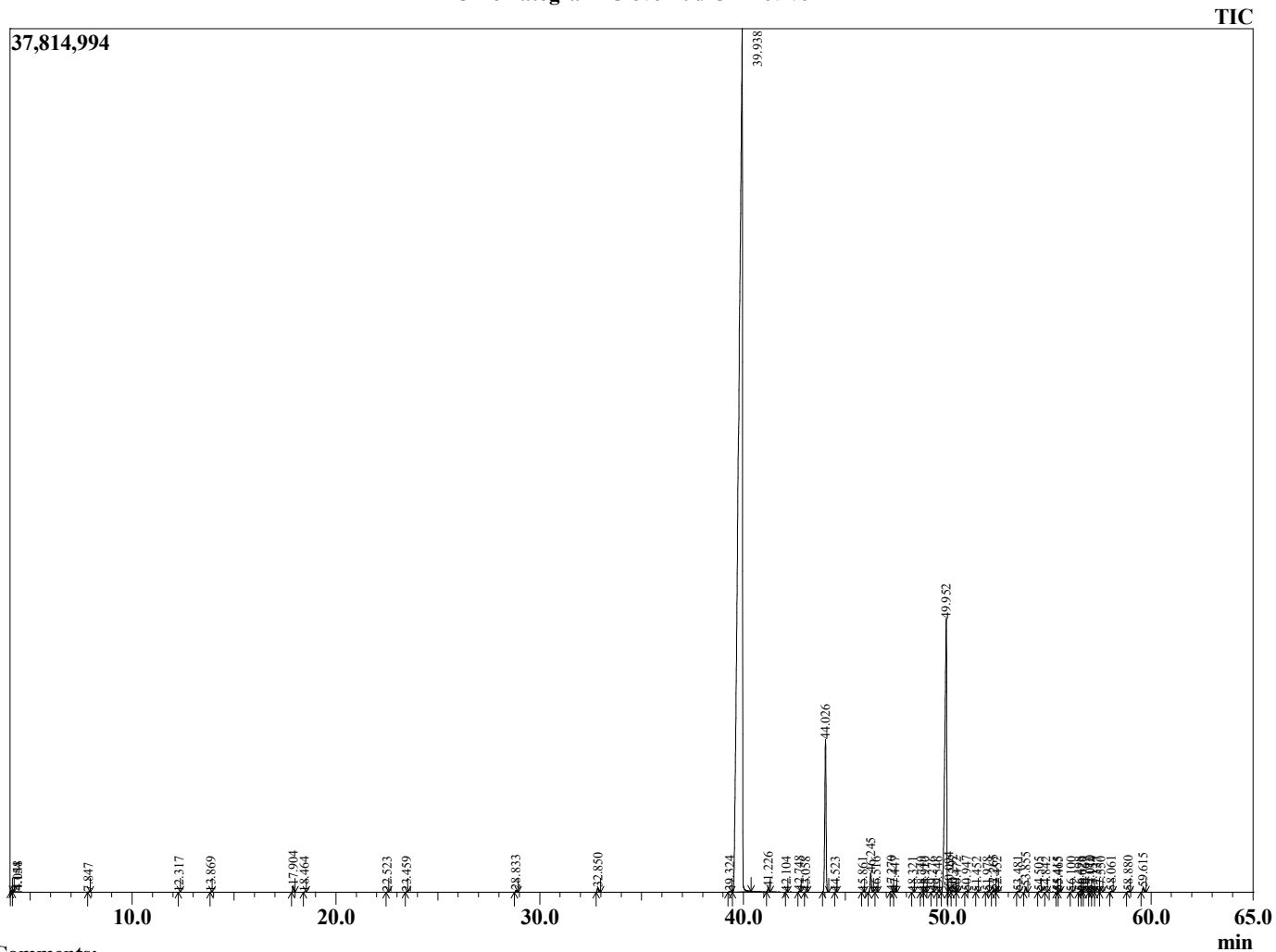


Sample Information

Analyzed by : Dr. Robert S. Pappas
 Analyzed : 2/11/2022 10:53:10 AM
 Sample Type : Essential Oil
 Sample Name : Clove Bud Oil-Revive
 Injection Volume : 0.10
 Lot Number : 1245
 Instrument ID : GC-4



Chromatogram Clove Bud Oil-Revive



Peak Report TIC

R.Time	Name	Area%
4.048	3-Methylbutanal	0.02
4.154	2-Methylbutanal	0.01
7.847	Furfural	0.01
12.317	alpha-Pinene	0.00
13.869	Benzaldehyde	0.00
17.904	Limonene	0.15
18.464	2-Heptyl acetate	0.01
22.523	Linalool	0.01
23.459	trans-4,8-dimethyl-Nona-1,3,7,-triene	0.01
28.833	Methyl salicylate	0.06
32.850	Chavicol	0.12
39.324	alpha-Cubebene	0.03
39.938	Eugenol	79.99
41.226	alpha-Copaene	0.14
42.104	beta-Elementene	0.00
42.748	Methyleugenol	0.03
43.058	cis-beta-Caryophyllene	0.01
44.026	trans-beta-Caryophyllene	5.00
44.523	Unidentified	0.01
45.861	Aromadendrene	0.01
46.245	alpha-Humulene	0.62
46.516	Alloaromadendrene	0.01
47.270	Cadina-1(6),4-diene	0.04
47.447	gamma-Murolene	0.02
48.321	beta-Selinene	0.01
48.749	alpha-Selinene	0.01
48.910	alpha-Murolene	0.01
49.276	trans,trans-alpha-Farnesene	0.01
49.546	Bicyclogermacrene	0.00
49.952	Eugenyl acetate	12.69
50.094	delta-Cadinene	0.16
50.292	trans-Calamenene	0.08
50.472	Unidentified	0.01
50.947	Cadina-1,4-diene	0.03
51.452	alpha-Calacorene	0.01
51.978	Unidentified	0.02
52.265	Unidentified	0.07
52.452	Unidentified	0.01
53.481	Caryophyllene alcohol	0.02
53.855	Caryophyllene oxide	0.17
54.505	Unidentified	0.02
54.842	Unidentified	0.01
55.415	Cedrol (carryover)	0.01
55.465	Humulene epoxide II	0.02
56.100	Unidentified	0.01
56.498	Epicubenol	0.02
56.629	Unidentified	0.01
56.769	Unidentified	0.02
57.010	Caryophylla-4(12),8(13)-dien-5-beta-ol	0.03
57.154	Unidentified	0.01
57.337	Cubenol analogue	0.02
57.550	alpha-Murolol	0.01
58.061	Unidentified	0.04
58.880	Unidentified	0.03
59.615	Unidentified	0.13
		100.00

Comments:

The analysis of this Clove Bud batch sample meets the expected chemical profile for authentic essential oil of *Eugenia caryophyllata*. 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.

