

Sample Information

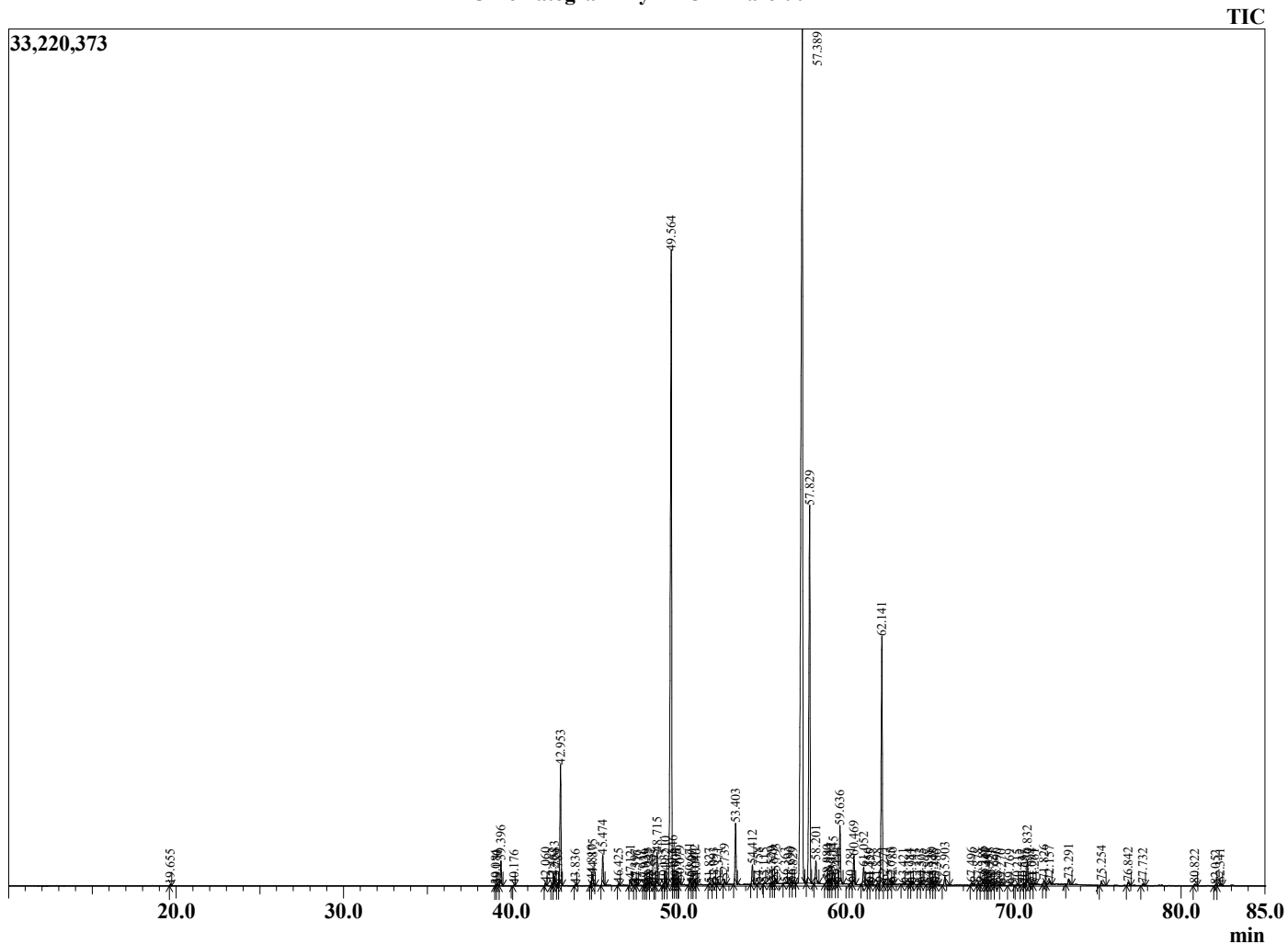
Analyzed by : Dr. Robert S. Pappas
 Analyzed : 1/27/2022 5:43:17 AM
 Sample Type : Essential Oil
 Sample Name : Myrrh Oil - Barefut
 Sample ID : 0108
 Injection Volume : 0.10
 Instrument ID : GC-3



Peak Report TIC

R.Time	Name	Area%
3.042	Ethanol	0.04
19.655	trans-beta-Ocimene	0.02
39.084	Elemene analogue	0.02
39.170	Elemene analogue	0.02
39.396	delta-Elemene	0.67
40.176	alpha-Cubebene	0.02
42.060	alpha-Copaene	0.08
42.462	Elemene analogue	0.07
42.583	beta-Bourbonene	0.27
42.789	alpha-Bourbonene	0.03
42.953	beta-Elemene	3.36
43.836	Cyperene	0.03
44.810	beta-Ylangene	0.10
44.875	trans-beta-Caryophyllene	0.36
45.474	gamma-Elemene	0.89
46.425	Isogermacrene D	0.05
47.121	alpha-Humulene	0.17
47.397	Alloaromadendrene	0.04
47.516	Rotundene	0.02
47.931	Unidentified	0.02
48.029	Drima-7,9(11)-diene	0.03
48.227	Selina-4,11-diene	0.08
48.332	gamma-Murolene	0.11
48.595	alpha-Amorphene	0.03
48.715	Germacrene D	0.97
49.135	Eremophilene	0.05
49.210	beta-Selinene	0.40
49.564	Curzerene	21.97
49.646	alpha-Selinene	0.30
49.803	alpha-Murolene	0.04
49.905	cis-alpha-Bisabolene	0.03
50.079	Unidentified	0.13
50.671	gamma-Cadinene	0.21
50.800	Cubebol	0.03
50.972	delta-Cadinene	0.15
51.040	7-epi-alpha-Selinene	0.02
51.827	Unidentified	0.02
52.093	Selina-4(15),7(11)-diene	0.07
52.371	Unidentified + Selina-3,7(11)-diene	0.08
52.739	alpha-Elemol	0.14
53.403	Germacrene B	1.71
54.412	Furanoeudesma-1,4-diene	0.55
54.758	Caryophyllene oxide	0.03
55.115	Unidentified	0.03
55.529	Unidentified	0.05
55.679	beta-Elemenone	0.08
55.793	Curzerenone	0.15
56.363	Unidentified	0.05
56.699	1,10-di-epi-Cubenol	0.06
56.829	Unidentified	0.03
57.389	Furanoeudesma-1,3-diene	38.11
57.829	Lindestrene	11.74
58.201	epi-alpha-Cadinol	0.70
58.880	Unidentified	0.16
58.944	alpha-Eudesmol	0.14
59.117	Unidentified	0.18
59.245	Furanodiene	0.53
59.444	Unidentified	0.04
59.636	Intermedeol	1.75
60.281	Unidentified	0.04
60.469	2-Methoxyfuranodiene A	0.82
61.052	Germacrene	0.59

Chromatogram Myrrh Oil - Barefut



Comments:

The analysis of this Myrrh batch sample meets the expected chemical profile for authentic essential oil of *Commiphora myrrha*. 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%
61.350	Unidentified	0.07
61.455	Unidentified	0.04
61.878	Unidentified	0.07
62.141	2-Methoxyfuranodiene B	7.54
62.271	Unidentified	0.12
62.675	Unidentified	0.05
62.780	Unidentified	0.06
63.421	Unidentified	0.03
63.784	Unidentified	0.03
63.941	Unidentified	0.04
64.372	Unidentified	0.04
64.505	Unidentified	0.05
64.898	Unidentified	0.04
65.130	Unidentified	0.07
65.245	Nootkatol	0.06
65.386	Unidentified	0.03
65.903	alpha-Eudesmol acetate	0.29
67.496	Unidentified	0.08
67.878	Unidentified	0.07
68.186	Acetoxifyfuranodiene analogue	0.15
68.347	Unidentified	0.10
68.455	Unidentified	0.06
68.558	Unidentified	0.13
68.721	Unidentified	0.03
68.990	Unidentified	0.11
69.270	Unidentified	0.03
69.769	Unidentified	0.03
70.215	Unidentified	0.05
70.537	Unidentified	0.03
70.685	Unidentified	0.03
70.832	2-Acetoxifyfuranodiene	0.75
71.094	Unidentified	0.05
71.261	Unidentified	0.05
71.826	Unidentified	0.12
72.157	Unidentified	0.13
73.291	Unidentified	0.18
75.254	Unidentified	0.15
76.842	Unidentified	0.15
77.732	Unidentified	0.06
80.822	Unidentified	0.06
82.052	Unidentified	0.02
82.341	Ostole	0.07
		100.00