

Sample Information

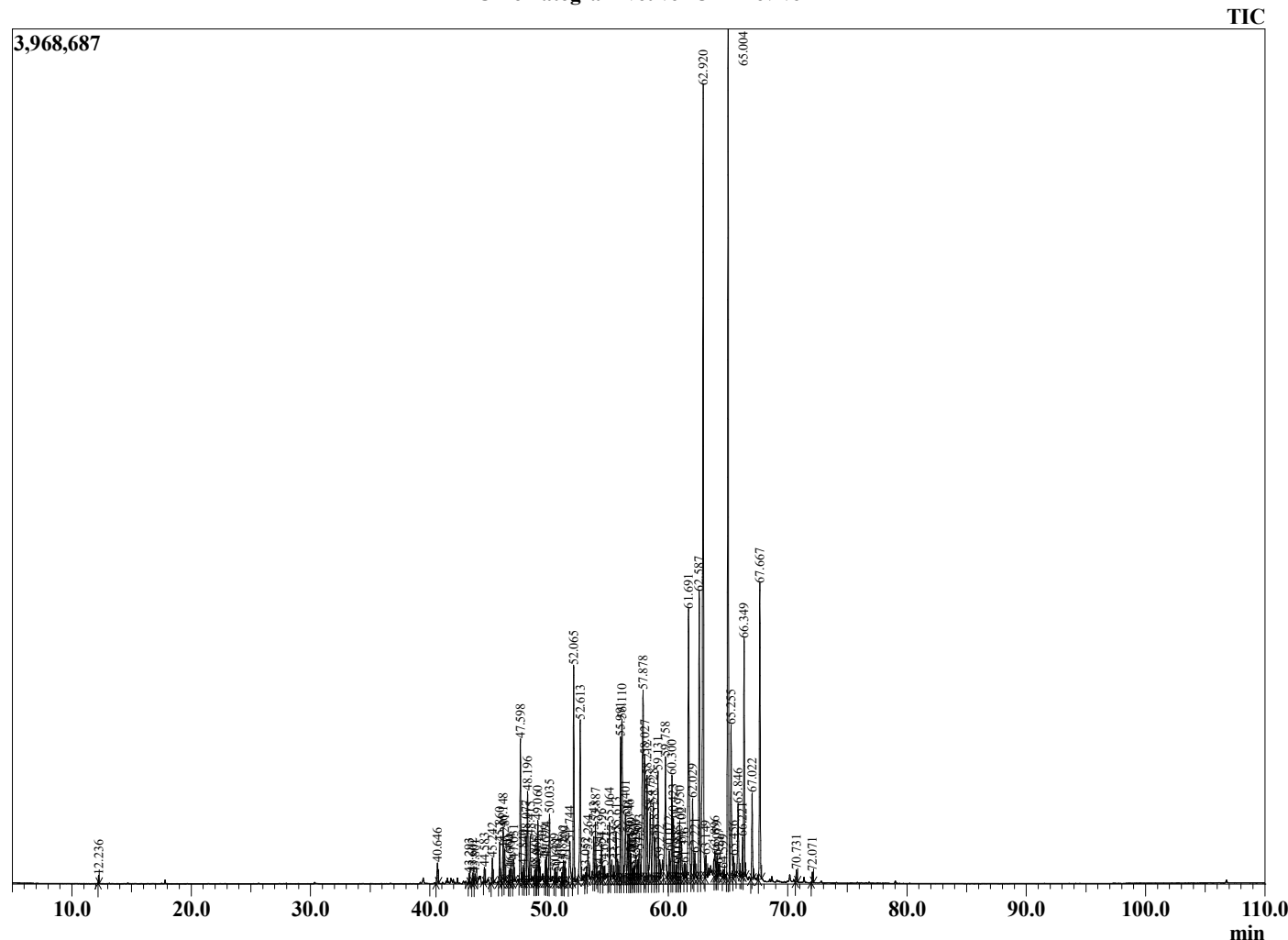
Analyzed by : Dr. Robert S. Pappas
 Analyzed : 10/11/2022 2:43:18 AM
 Sample Type : Essential Oil
 Sample Name : Vetiver Oil - Revive
 Sample ID : 1R
 Injection Volume : 0.10
 Instrument ID : GC-4



Peak Report TIC

R.Time	Name	Area%
12.236	alpha-Pinene	0.06
40.646	Unidentified	0.31
43.293	alpha-Chamigrene	0.11
43.602	beta-Cedrene	0.13
43.801	Isoledene	0.14
44.583	Unidentified	0.17
45.242	6,9-Guanidiene	0.32
45.860	Prezizaene	0.48
46.148	Khusimene	0.66
46.281	9-epi-Caryophyllene isomer	0.39
46.660	Unidentified	0.15
46.794	Unidentified	0.23
47.031	Unidentified	0.27
47.598	alpha-Amorphene	1.81
47.840	alpha-Vetispiorene	0.21
48.077	delta-Selinene	0.87
48.196	beta-Vetispiorene	1.11
48.415	Valencene	0.58
48.807	Unidentified	0.16
48.965	Unidentified	0.11
49.060	delta-Amorphene	0.80
49.167	Unidentified	0.27
49.699	Nootkatene	0.26
49.774	Unidentified	0.31
50.035	alpha-Gurjunene	1.02
50.489	Unidentified	0.16
50.611	Unidentified	0.13
51.085	Selina-4(15),7(11)-diene	0.12
51.202	Unidentified	0.27
51.329	alpha-Calacorene	0.27
51.744	alpha-Elemol	0.82
52.065	beta-Vetivenene	2.72
52.613	Unidentified	2.44
53.052	Unidentified	0.09
53.264	Unidentified	0.42
53.743	Unidentified	0.50
53.887	3,5,11-Eudesmatriene	0.66
54.181	Unidentified	0.12
54.396	Unidentified	0.50
54.621	Unidentified	0.21
55.064	Khusimone	0.72
55.257	Unidentified	0.30
55.613	Unidentified	0.70
55.728	Unidentified	0.38
55.991	Unidentified	1.95
56.110	Unidentified	2.87
56.401	Unidentified	1.07
56.611	Guaiol	0.70
56.746	1,10-di-epi-Cubenol	0.68
56.850	Unidentified	0.33
57.003	Unidentified	0.17
57.141	Unidentified	0.21
57.260	alpha-Funebren-15-al	0.43
57.450	Unidentified	0.34
57.573	Unidentified	0.52
57.878	alpha-Cadinol	4.11
58.027	Cyclocopacamphan-12-ol epimer ACyclocopa	2.05
58.212	Cyclocopacamphan-12-ol epimer B	1.52
58.473	Unidentified	1.35
58.728	Unidentified	1.53
58.857	beta-Bisabolol	0.89
59.131	2-epi-Ziza-6(13)-en-3-alpha-ol	1.51

Chromatogram Vetiver Oil - Revive



Comments:

The analysis of this Vetiver batch sample meets the expected chemical profile for authentic essential oil of *Vetiveria zizanioides*. 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%
59.272	2-epi-Ziza-6(13)-en-3-beta-ol	0.32
59.758	Khusian-2-ol	2.18
60.072	epi-Zizanal	0.40
60.300	Juniper camphor	1.57
60.423	2-epi-Ziza-6(13)-en-3-alpha-ol	0.89
60.688	Methyl ziza-6(13)-en-12-oate	0.19
60.835	Unidentified	0.36
60.950	13-nor-Eudesma-4,6-dien-11-one	0.78
61.102	Unidentified	0.57
61.376	Isovetiselinol	0.22
61.691	Vetiselinenol	4.70
62.029	Zizanol	1.25
62.221	Unidentified	0.35
62.587	Zizanol	3.80
62.920	Khusimol	12.31
63.149	Valerenal	0.35
63.896	Unidentified	0.47
64.079	Unidentified	0.30
64.217	Unidentified	0.22
64.599	Unidentified	0.11
65.004	trans-Isovalencenol	11.34
65.255	cis-Isovalencenol	2.29
65.456	Unidentified	0.32
65.846	Unidentified	1.17
66.221	Unidentified	0.45
66.349	beta-Vetivone	3.03
67.022	Unidentified	1.14
67.667	alpha-Vetivone	3.95
70.731	Isovalencenyl formate	0.16
72.071	Unidentified	0.13
		100.00