

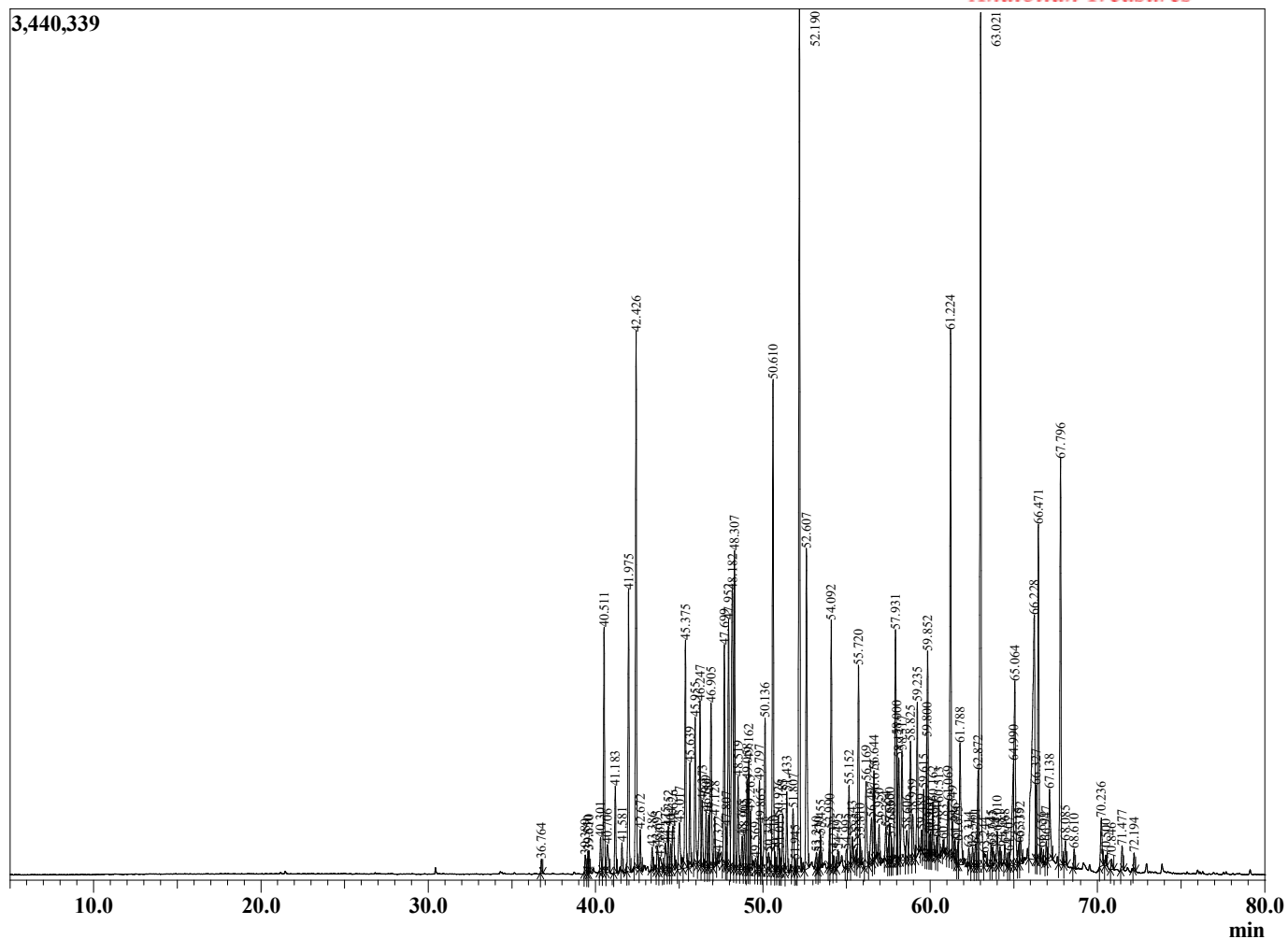
Sample Information

Sample Type : Essential Oil
 Sample Name : Vetiveria zizanioides :
 Injection Volume : 0.10

Vetiver Indonesia
 Lot# INW7-WK
 Country: Indonesia



Chromatogram Vetiveria zizanioides



R.Time	Name	Area%
36.764	4-Vinyl guaiacol	0.08
39.389	4-tert-Butylpyridine	0.13
39.550	Eugenol	0.14
39.610	Nigritene isomer	0.13
40.301	Dicumene	0.22
40.511	Unidentified cyclotriene	1.64
40.706	Isoledene	0.32
41.183	Nigritene isomer	0.60
41.581	2-epi-alpha-Funebrene	0.18
41.975	6-epi-Nigritene	1.96
42.426	Nigritene	3.65
42.672	meta-Floralozone	0.27
43.386	Acora-3,7(14)-diene	0.15
43.695	alpha-Cedrene	0.23
43.861	Isolongifolene isomer	0.20
44.175	Cubenene isomer	0.29
44.352	Unidentified	0.32
44.504	beta-Patchoulene	0.17
44.626	Cuparene	0.52
45.017	alpha-Neoclovene	0.49
45.375	Unidentified	1.66
45.639	trans-Isoeugenol	0.69
45.955	Prezizaene	1.08
46.247	Khusimene	1.31
46.373	9-epi-Caryophyllene isomer	0.48
46.609	Dihydroneoclovene-(II)	0.35
46.759	Unidentified	0.34
46.905	11,12,13-tri-nor-cis-Eudesm-5-en-7-one	1.36
47.128	trans-Eremophila-1(10),7(11)-dien-12-yl acet	0.33
47.322	Selina-4,11-diene	0.08
47.699	alpha-Amorphene	1.71
47.807	8,9-Dehydroneoisolongifolene	0.27
47.952	alpha-Vetispirene	1.99
48.182	delta-Selinene	2.95
48.307	beta-Vetispirene	2.10
48.519	Valencene	0.67
48.765	Vetivenene isomer + Unidentified	0.29
48.905	Amorphene isomer	0.25
49.058	Spirovetiva-3,7(11)-dien-12-yl methyl ether	0.68
49.162	delta-Cadinene	0.79
49.265	alpha-Curcumene	0.40
49.569	beta-Curcumene	0.10
49.797	Nootkatene	0.72
49.865	Unidentified	0.21
50.136	Guaiene	1.38
50.348	Zonarene	0.18
50.610	gamma-Vetivenene	3.62
50.710	Unidentified	0.08
50.926	Unidentified	0.42
51.015	(E)-Eremophila-1(10),7(11)-dien-12-yl acetat	0.11
51.185	beta-Guaiene	0.42
51.433	Cycloisolongifolene isomer	0.60
51.807	Unidentified	0.60
51.945	Unidentified	0.07
52.190	beta-Vetivenene	6.45
52.607	Vetivenene isomer	2.60

R.Time	Name	Area%
53.210	4,5,9,10-Dehydroisolongifolene	0.10
53.370	Bourbonanone isomer	0.10
53.455	Unidentified	0.22
53.990	Unidentified Eudesmatriene + Unidentified	0.21
54.092	Vetivenene isomer	1.80
54.237	Unidentified	0.12
54.495	Muurolol isomer	0.12
54.995	Norpatchoulenol	0.15
55.152	Khusimone	0.65
55.343	Khusimone isomer	0.20
55.585	Unidentified	0.09
55.720	3,5,11-Eudesmatriene	1.46
55.810	Unidentified	0.12
56.169	Junenol	0.74
56.497	Unidentified	0.48
56.644	Unidentified	0.58
56.675	Unidentified	0.29
56.950	Unidentified	0.21
57.354	1,7-Diepi-alpha-Cedrenal	0.27
57.565	Unidentified	0.17
57.600	Unidentified	0.31
57.685	epi-alpha-Muurolol	0.11
57.931	Unidentified	2.08
58.000	Unidentified	0.69
58.127	epi-Eudesmol isomer	0.79
58.317	Cyclocopacamphan-12-ol epimer B	1.23
58.606	Unidentified	0.29
58.825	Zizanal	1.09
58.959	Unidentified	0.42
59.235	Zizaenol isomer	1.06
59.489	Unidentified	0.16
59.615	Germaera-4(15),5,10(14)-trien-1-alpha-ol	0.47
59.800	Unidentified	0.53
59.852	Khusian-2-ol	1.56
59.960	Unidentified	0.12
60.032	Unidentified	0.13
60.162	Unidentified	0.38
60.390	Unidentified	0.15
60.513	2-epi-Ziza-6(13)-en-3-alpha-ol	0.40
60.783	Methyl ziza-6(13)-en-12-oate	0.05
61.069	13-nor-Eudesma-4,6-dien-11-one	0.37
61.224	Unidentified	3.69
61.349	Unidentified	0.21
61.486	Unidentified	0.13
61.675	Unidentified	0.17
61.788	Vetiselinenol	1.18
62.314	Oplopanone	0.10
62.541	Unidentified	0.16
62.721	Unidentified	0.21
62.872	Tremulenediol A	0.68
63.021	Khusimol	7.13
63.244	Unidentified	0.18
63.645	Amorpha-4,9-diene isomer	0.13
63.743	Khusimol isomer	0.14
64.010	13-Hydroxyvalencene	0.30
64.181	Valencene isomer	0.14
64.468	Unidentified	0.16
64.707	trans-Isovalencenol	0.10
64.990	Unidentified	1.05
65.064	Unidentified	1.77
65.315	Unidentified	0.20
65.392	Unidentified	0.24

R.Time	Name	Area%
66.228	Zizanoic acid	4.32
66.327	trans-Isovalencenal	0.48
66.471	beta-Vetivone	2.45
66.656	Unidentified	0.11
66.947	Zizanoic acid isomer	0.13
67.138	Isovalencenal isomer	0.73
67.796	alpha-Vetivone	3.00
68.085	Zizanoic acid isomer	0.18
68.610	Unidentified	0.13
70.236	Unidentified	0.45
70.500	Unidentified	0.08
70.846	Unidentified	0.09
71.477	Unidentified	0.19
72.194	Unidentified	0.12
		100.00