

Sample Information

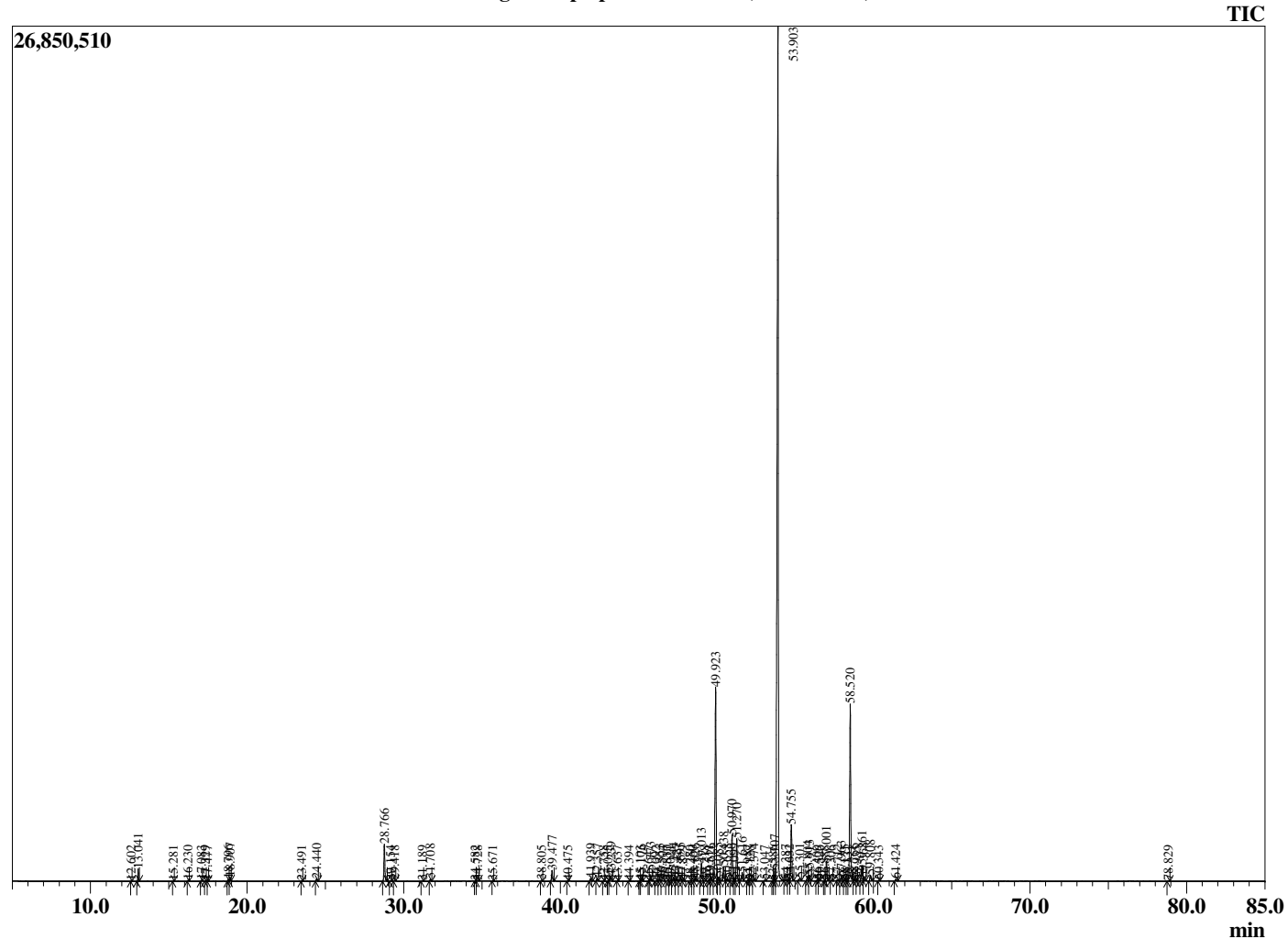
Analyzed by : Dr. Robert S. Pappas  
 Analyzed : 1/29/2020 3:25:35 AM  
 Sample Type : Essential Oil  
 Sample Name : *Oplopanax horridus* (Devil's Club)  
 Sample ID : EOU200128A  
 Injection Volume : 0.10  
 Instrument ID : GC-3



Peak Report TIC

R.Time	Name	Area%
12.602	trans-1,3-Nonadiene	0.01
13.041	alpha-Pinene	0.46
15.281	Sabinene	0.01
16.230	Myrcene	0.03
17.083	Octanal	0.03
17.329	alpha-Phellandrene	0.01
17.477	delta-3-Carene	0.00
18.796	Limonene	0.06
18.907	beta-Phellandrene	0.15
23.491	Linalool	0.01
24.440	Unidentified	0.11
28.766	Undeca-1,3,5-triene	1.87
29.154	Ectocarpene	0.03
29.418	1,3,5,8-Undecatetraene	0.04
31.189	Octyl acetate	0.03
31.708	Unidentified	0.09
34.582	Unidentified	0.01
34.728	Dec-2(E)-enal	0.02
35.671	Unidentified	0.01
38.805	delta-Elemene isomer	0.04
39.477	delta-Elemene	0.57
40.475	alpha-Cubebene	0.01
41.939	alpha-Ylangene	0.15
42.357	alpha-Copaene	0.14
42.758	beta-Elemene isomer	0.01
43.035	Unidentified	0.01
43.239	beta-Elemene	0.27
43.637	Unidentified	0.01
44.394	alpha-Gurjunene	0.01
45.103	Unidentified	0.03
45.176	beta-Caryophyllene	0.07
45.647	Unidentified	0.01
45.773	gamma-Elemene	0.22
46.092	Eudesma-3,7(11)-diene	0.02
46.353	Aromadendrene	0.10
46.504	Unidentified	0.06
46.810	Unidentified	0.03
47.021	6,9-Guaiaadiene	0.05
47.244	trans-beta-Farnesene	0.21
47.427	alpha-Humulene	0.15
47.695	Alloaromadendrene	0.18
47.829	cis-Cadina-1(6),4-diene	0.05
48.280	Unidentified	0.03
48.460	10-beta-H-Cadina-1(6),4-diene	0.03
48.626	trans-Cadina-1(6),4-diene	0.13
49.013	Germacrene D	0.98
49.218	Unidentified	0.02
49.511	beta-Selinene	0.08
49.626	Viridiflorene (Ledene)	0.18
49.923	Bicyclogermacrene	11.44
50.085	alpha-Muurolene	0.20
50.438	(E,E)-alpha-Farnesene	0.81
50.658	beta-Bisabolene	0.11
50.970	gamma-Cadinene	2.54
51.099	Cubebol	0.13
51.270	delta-Cadinene	2.30
51.616	beta-Sesquiphellandrene	0.44
51.987	Unidentified	0.05
52.128	trans-Cadine-1,4-diene	0.02
52.374	alpha-Cadinene	0.12
53.047	Elemol	0.04
53.586	Unidentified	0.01

Chromatogram *Oplopanax horridus* (Devil's Club)



Comments:

R.Time	Name	Area%
53.707	Germacrene B	0.53
53.903	trans-Nerolidol	56.88
54.387	Unidentified	0.12
54.632	Unidentified	0.07
54.755	Unidentified	3.22
55.301	Globulol	0.16
55.804	Viridiflorol	0.31
55.913	Guaiol	0.33
56.409	Unidentified	0.03
56.526	Rosifoliol	0.02
56.888	Eudesm-5-en-11-ol	0.02
57.001	1,10-di-epi-Cubenol	1.11
57.306	Unidentified	0.02
57.712	1-epi-Cubenol	0.06
57.963	Spathulenol	0.29
58.175	beta-Eudesmol	0.04
58.331	Unidentified	0.01
58.520	alpha-Muurolol (=Torreyol)	10.05
58.766	delta-Cadinol	0.12
58.935	Unidentified	0.01
59.261	alpha-Cadinol	0.92
59.368	Pogostol	0.15
59.808	Bulnesol	0.32
60.343	Caryophyllene oxide	0.03
61.424	Unidentified	0.09
78.829	Falcarinol	0.03
		100.00