



Appalachian Valley  
Natural Products  
*Anatolian Treasures*

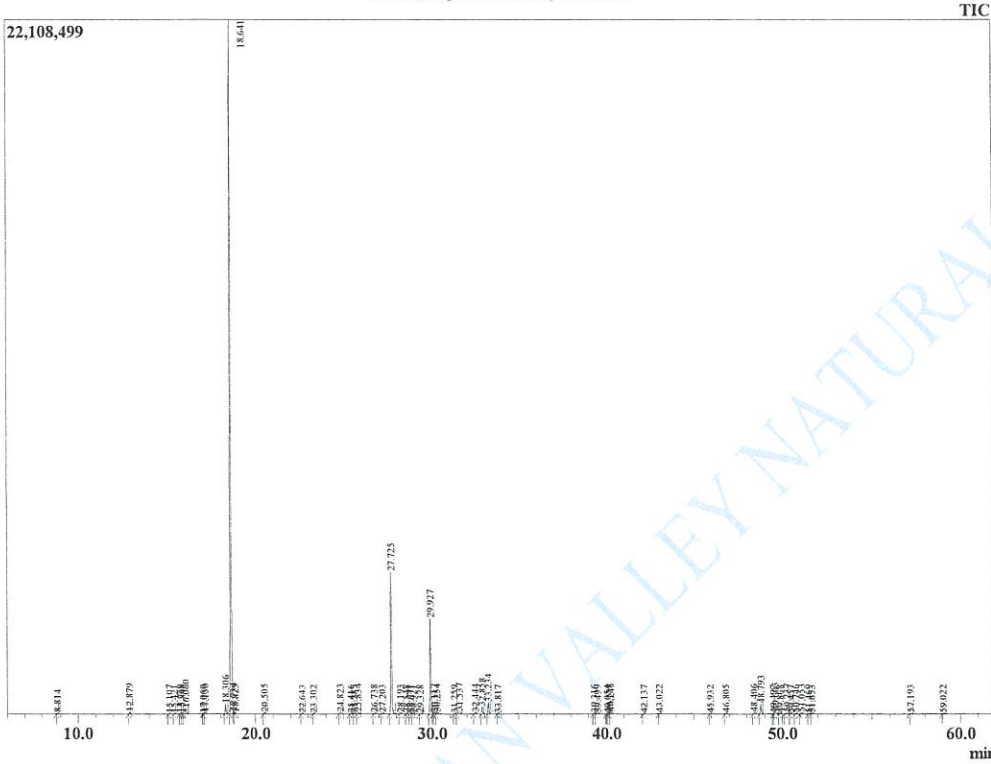
**Palo Santo**  
(*Bursera graveolens*)  
**Lot#: ECP7-PY**  
**Country: Ecuador**

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Analyzed : 3/24/2018 10:51:03 PM  
Sample Type : Essential Oil  
Sample Name : *Bursera graveolens*  
Injection Volume : 0.10

Sample Information

Chromatogram *Bursera graveolens*



R. Time	Name	Area%
8.814	3-Methylcyclopentanone	0.06
12.879	alpha-Pinene	0.17
15.107	Sabinene	0.05
15.421	beta-Pinene	0.03
15.768	Unidentified	0.09
15.848	Unidentified	0.09
16.060	Myrcene	0.52
17.060	Unidentified	0.02
17.150	alpha-Phellandrene	0.12
18.306	para-Cymene	0.93
18.641	Limonene	66.60
18.734	beta-Phellandrene	0.02
18.825	1,8-Cineole	0.05
20.505	gamma-Terpinene	0.14
22.643	para-Cymenene	0.04
23.302	Linalool	0.03
24.823	trans-para-Mentha-2,8-dienol	0.13
25.416	4-Acetyl-1-methylcyclohexene	0.03
25.585	cis-Limonene oxide	0.04
25.834	cis-para-Mentha-2,8-dien-1-ol + trans-Limon	0.18
26.738	trans-beta-Terpineol	0.06
27.203	Menthone	0.09
27.725	Menthofuran	14.43
28.193	delta-Terpineol	0.10
28.548	trans-Isopulegone	0.02
28.771	Unidentified	0.10
28.921	Terpinen-4-ol	0.03
29.328	para-Cymen-8-ol	0.05
29.927	alpha-Terpineol	10.06
30.112	Dihydro-cis-Carvone	0.16
30.254	Piperitol	0.15
31.259	Unidentified	0.04
31.537	trans-Carveol	0.28
32.444	cis-Carveol	0.13
32.858	Pulegone	0.74
33.234	Carvone	1.20
33.817	Unidentified	0.05
39.316	Unidentified	0.07
39.499	delta-Elementene	0.05
40.054	Unidentified	0.03
40.158	Menthylactone isomer	0.17
40.245	Menthylactone isomer	0.19
42.137	alpha-Copaene	0.04
43.022	beta-Elementene	0.07
45.932	cis-Thujopsene	0.03
46.805	Unidentified	0.11
48.406	trans-Cadina-1(6),4-diene	0.14
48.793	Germacrene D	1.11
49.497	trans-Murrola-4(14),5-diene	0.03
49.603	Menthylactone	0.37
49.868	alpha-Murolene	0.06
50.237	(E,E)-alpha-Farnesene	0.14
50.457	Unidentified	0.03
50.746	gamma-Cadinene	0.06
51.053	delta-Cadinene	0.13
51.469	Menthylactone isomer	0.03

R.Time	Name	Area%
51.653	Unidentified	0.03
57.193	Humulane-1,6-dien-3-ol	0.11
59.022	alpha-Cadinol	0.03
		100.00