

Sample Information

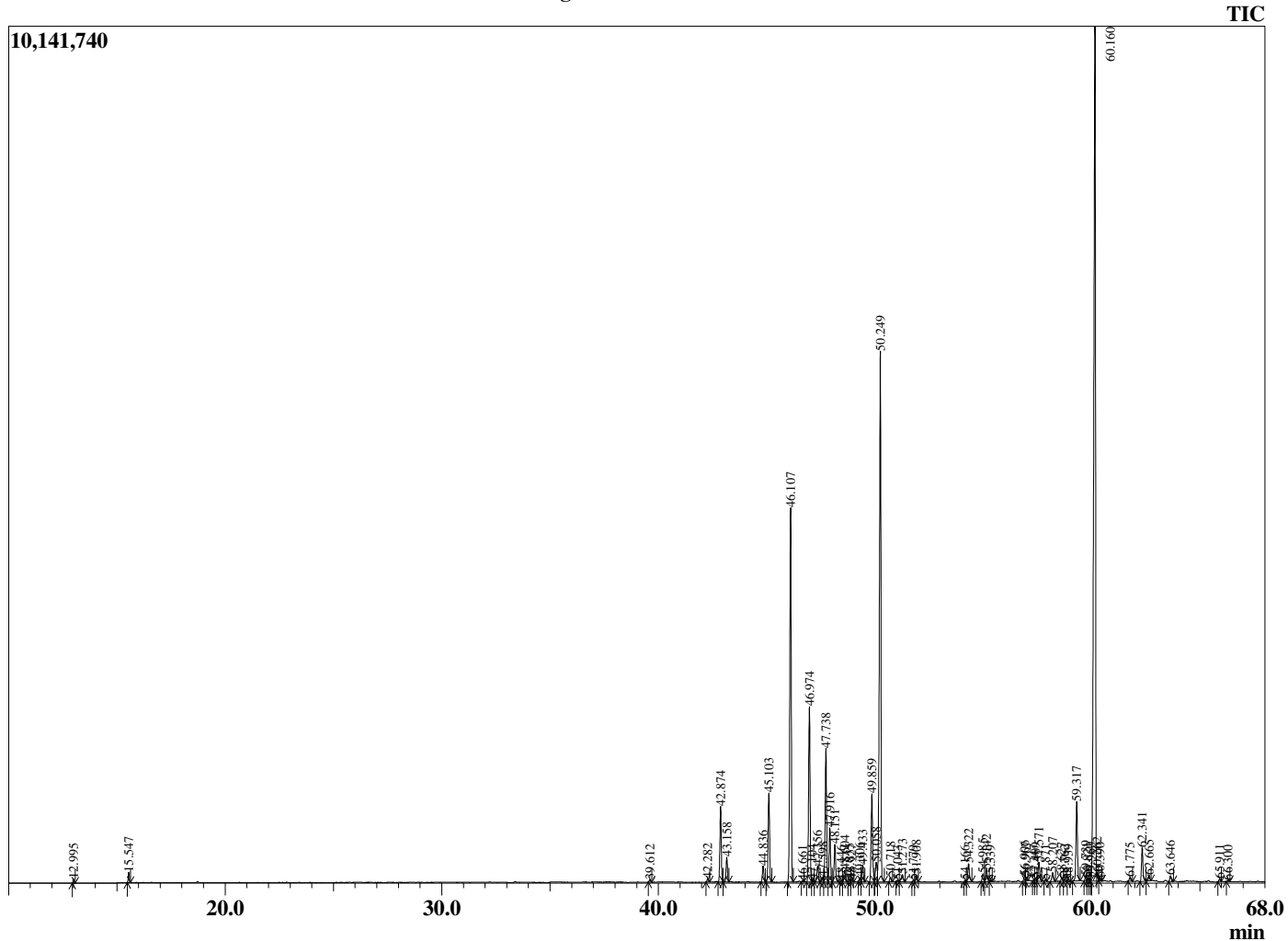
Analyzed by : Dr. Robert S. Pappas
 Analyzed : 10/1/2020 5:20:44 AM
 Sample Type : Essential Oil
 Sample Name : PatchouliOil-Barefut
 Sample ID : 0105
 Injection Volume : 0.10
 Instrument ID: : GC-3



Peak Report TIC

R.Time	Name	Area%
12.995	alpha-Pinene	0.10
15.547	beta-Pinene	0.24
39.612	delta-Elemene	0.08
42.282	alpha-Copaene	0.09
42.874	beta-Patchoulene	2.35
43.158	beta-Elemene	0.77
44.836	Cycloseychellene	0.51
45.103	beta-Caryophyllene	2.90
46.107	alpha-Guaiene	12.37
46.661	Unidentified	0.03
46.974	Seychellene	5.87
47.104	Unidentified	0.06
47.356	alpha-Humulene	0.53
47.598	Unidentified	0.16
47.738	alpha-Patchoulene	4.27
47.916	Patchoulene isomer	1.71
48.151	9-epi-Caryophyllene	1.24
48.446	Unidentified	0.04
48.604	beta-Chamigrene	0.41
48.835	Unidentified	0.10
48.927	Germaecene D	0.07
49.306	Delta-Selinene	0.12
49.433	beta-Selinene	0.53
49.859	Aciphyllene	3.01
50.058	Unidentified	0.75
50.249	alpha-Bulnesene	18.16
50.718	Nootkatene	0.14
51.043	Unidentified	0.04
51.273	(-)-alpha-Panasinsen	0.28
51.779	Unidentified	0.06
51.908	Unidentified	0.23
54.166	Unidentified	0.04
54.322	D Norpatchoulenol	0.65
54.985	Caryophyllene oxide	0.26
55.142	Spathulenol	0.46
55.339	Unidentified	0.04
56.906	Unidentified	0.16
56.967	Unidentified	0.11
57.347	Unidentified	0.05
57.409	Unidentified	0.10
57.571	Unidentified	0.72
57.871	Unidentified	0.05
58.207	Pogostol isomer	0.34
58.627	Unidentified	0.13
58.762	Unidentified	0.06
58.939	Unidentified	0.05
59.317	Pogostol	2.66
59.739	Unidentified	0.17
59.821	Unidentified	0.09
59.960	Unidentified	0.08
60.160	Patchouli alcohol	34.76
60.262	Unidentified	0.05
60.390	Unidentified	0.07
61.775	Unidentified	0.12
62.341	Pogostone	1.10
62.665	Altantone isomer	0.19
63.646	Longifolol	0.18
65.911	Unidentified	0.07
66.300	Unidentified	0.04
		100.00

Chromatogram PatchouliOil-Barefut



Comments:

The analysis of this Patchouli batch sample meets the expected chemical profile for authentic essential oil of *Pogostemon cablin*. 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.