

Sample Information

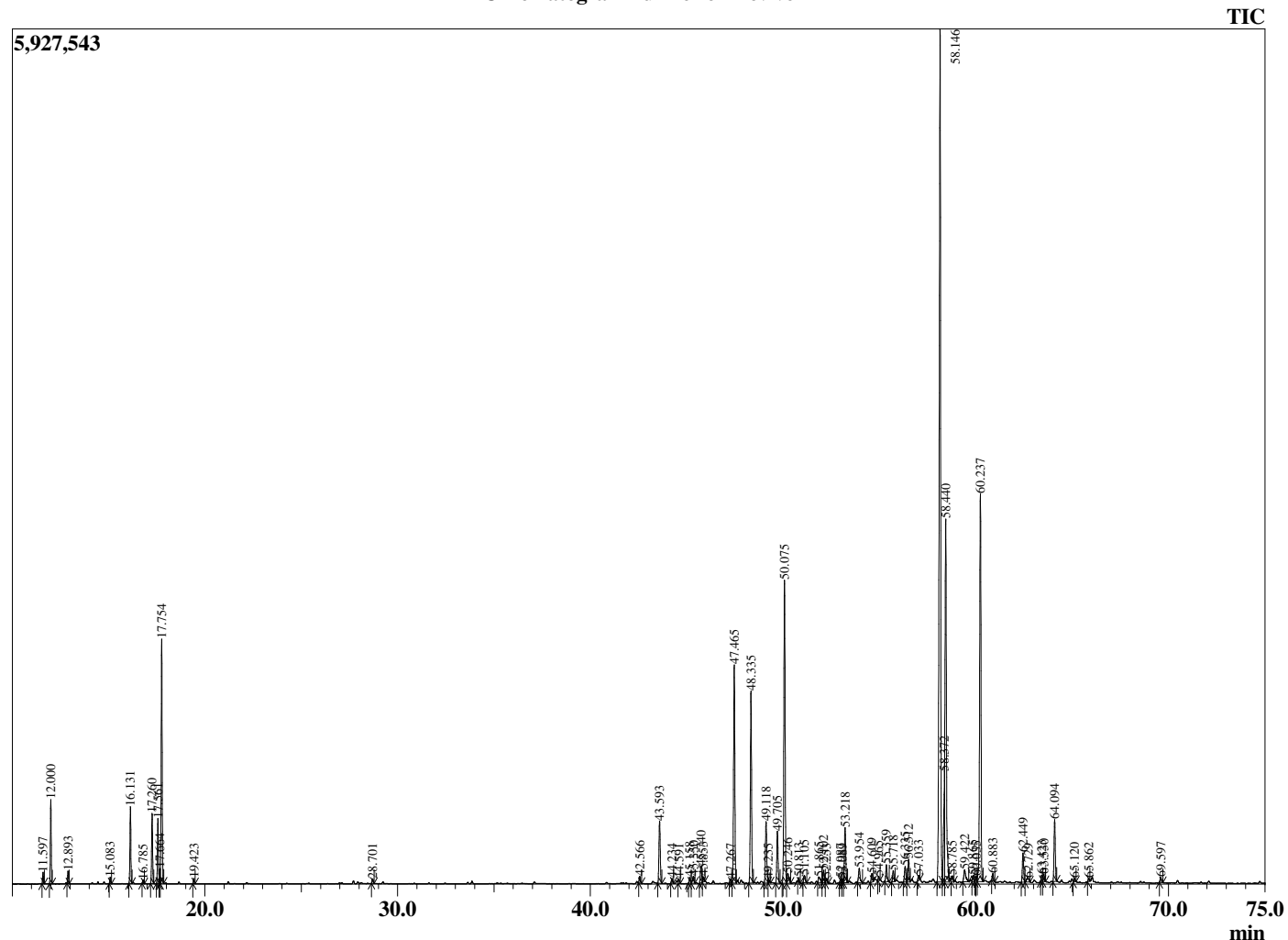
Analyzed by : Dr. Robert S. Pappas
 Analyzed : 6/12/2019 10:18:40 AM
 Sample Type : Essential Oil
 Sample Name : Turmeric - Revive
 Sample ID : E0C0311B
 Injection Volume : 0.10
 Instrument ID: : GC-3



Peak Report TIC

R.Time	Name	Area%
11.597	alpha-Thujene	0.21
12.000	alpha-Pinene	1.56
12.893	Camphene	0.23
15.083	Myrcene	0.13
16.131	alpha-Phellandrene	1.59
16.785	alpha-Terpinene	0.08
17.260	para-Cymene	1.51
17.561	Limonene	1.44
17.664	beta-Phellandrene	0.25
17.754	1,8-cineole	5.34
19.423	gamma-Terpinene	0.10
28.701	alpha-Terpineol	0.11
42.566	Sesquithujene isomer	0.18
43.593	alpha-Santalene	1.76
44.234	gamma-Elemene	0.13
44.591	Unidentified	0.10
45.158	Unidentified	0.16
45.350	epi-beta-Santalene	0.23
45.740	trans-beta-Farnesene	0.46
45.853	alpha-Humulene	0.14
47.267	gamma-Curcumene	0.10
47.465	Ar-Curcumene	5.99
48.335	alpha-Zingiberene	5.25
49.118	beta-Bisabolene	1.75
49.235	beta-Curcumene	0.11
49.705	alpha-Teresantalic acid	1.49
50.075	beta-Sesquiphellandrene	8.50
50.246	trans-gamma-Bisabolene	0.39
50.813	Eremophilene isomer	0.08
51.105	Selina-3,7(11)-diene	0.26
51.865	cis-Sesquisabinene hydrate	0.23
52.102	Germacrene B	0.35
52.253	Unidentified	0.13
52.987	Unidentified	0.10
53.089	Unidentified	0.11
53.218	Unidentified	1.61
53.954	Unidentified	0.48
54.609	Unidentified	0.24
54.965	Unidentified	0.08
55.359	Zingiberenol	0.47
55.718	anti-syn-syn-Helifolen-12-al C	0.30
56.335	Unidentified	0.47
56.512	Unidentified	0.68
57.033	Unidentified	0.15
58.146	Ar-Tumerone	26.12
58.372	allo-Himachalol	2.14
58.440	Tumerone	10.71
58.785	Unidentified	0.17
59.422	Unidentified	0.51
59.865	Unidentified	0.16
60.035	Unidentified	0.17
60.237	Curlone	11.42
60.883	Curcuphenol	0.20
62.449	Unidentified	0.82
62.729	Unidentified	0.19
63.423	Unidentified	0.17
63.530	Unidentified	0.21
64.094	(E)-alpha-Atlantone	1.70
65.120	Unidentified	0.10
65.862	Unidentified	0.08
69.597	Unidentified	0.15
		100.00

Chromatogram Turmeric - Revive



Comments:

The analysis of this Turmeric Oil batch sample meets the expected chemical profile for authentic essential oil of *Curcuma longa*. 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.