

Sample Information

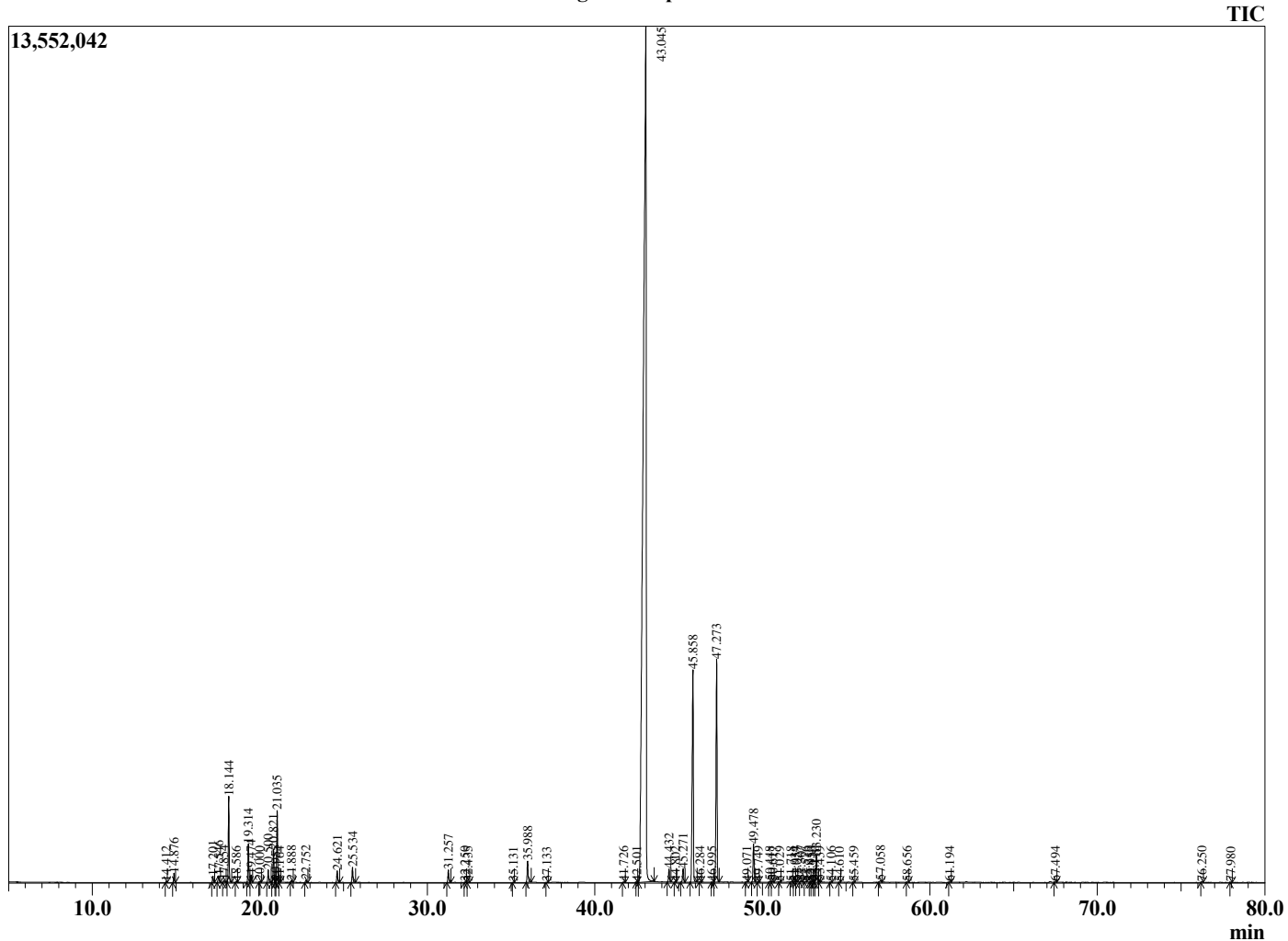
Analyzed by : Dr. Robert S. Pappas
 Analyzed : 11/24/2020 8:13:35 PM
 Sample Type : Essential Oil
 Sample Name : Allspice - Barefut
 Sample ID : 0105
 Injection Volume : 0.10
 Instrument ID: GC-3



Peak Report TIC

R.Time	Name	Area%
14.412	alpha-Thujene	0.02
14.876	alpha-Pinene	0.21
17.201	Sabinene	0.16
17.546	beta-Pinene	0.20
17.854	3-Octanone	0.06
18.144	Myrcene	2.04
18.586	3-Octanol	0.03
19.314	alpha-Phellandrene	0.95
19.474	delta-3-Carene	0.19
20.000	alpha-Terpinene	0.03
20.500	para-Cymene	0.32
20.821	Limonene	0.85
20.955	beta-Phellandrene	0.03
21.035	1,8-cineole	1.84
21.164	(Z)-beta-Ocimene	0.01
21.888	(E)-beta-Ocimene	0.05
22.752	gamma-Terpinene	0.06
24.621	Terpinolene	0.32
25.534	Linalool	0.42
31.257	Terpinen-4-ol	0.36
32.250	Unidentified	0.01
32.435	Methyl chavicol	0.02
35.131	Neral	0.01
35.988	Chavicol	0.66
37.133	Geranial	0.01
41.726	delta-Elemene	0.02
42.501	alpha-Cubebene	0.01
43.045	Eugenol	73.40
44.432	alpha-Copaene	0.39
44.802	Elemene isomer	0.01
45.271	beta-Elemene	0.42
45.858	Methyleugenol	7.32
46.284	Unidentified	0.01
46.995	Unidentified	0.01
47.273	trans-beta-Caryophyllene	7.08
49.071	6,9-Guanidiene	0.02
49.478	alpha-Humulene	1.18
49.749	Alloaromadendrene	0.02
50.448	10-beta-H-Cadina-1(6),4-diene	0.03
50.617	trans-Cadina-1(6),4-diene	0.03
51.029	Germacrene D	0.01
51.718	Unidentified	0.01
51.934	Bicyclogermacrene	0.02
52.057	alpha-Murolene	0.02
52.307	(E,E)-alpha-Farnesene	0.04
52.576	beta-Bisabolene	0.02
52.850	Eugenol acetate	0.01
52.953	Unidentified	0.02
53.110	Unidentified	0.02
53.230	delta-Cadinene	0.82
53.439	trans-Calamene	0.03
54.106	trans-Cadina-1,4-diene	0.01
54.610	alpha-Calacorene	0.00
55.459	Unidentified	0.01
57.058	Caryophyllene oxide	0.08
58.656	Humulene epoxide II	0.02
61.194	Unidentified	0.02
67.494	Unidentified	0.02
76.250	Myrcene dimer	0.02
77.980	Unidentified	0.01
		100.00

Chromatogram Allspice - Barefut



Comments:

The analysis of this Allspice batch sample meets the expected chemical profile for authentic essential oil of *Pimenta dioica*. 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.