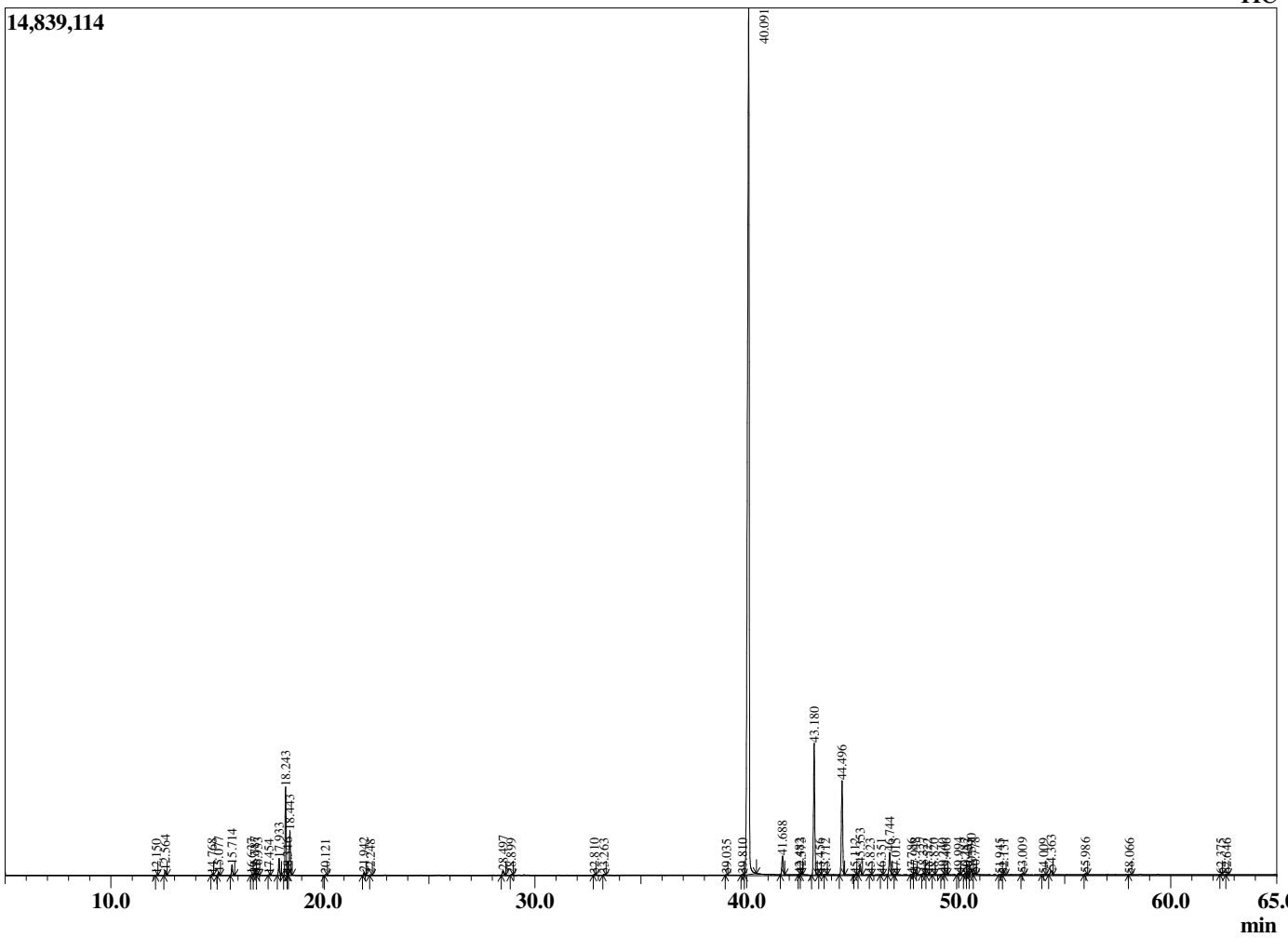
Sample Information

Analyzed by : Dr. Robert S. Pappas
Analyzed : 6/8/2018 12:53:24 AM
Sample Type : Essential Oil
Sample Name : Allspice - Edens Garden
Sample ID : AH01FA
Injection Volume : 0.10
Instrument ID: : GC-3

Chromatogram Allspice - Edens Garden



Peak Report TIC

R.Time	Name	Area%
12.150	alpha-Thujene	0.03
12.564	alpha-Pinene	0.22
14.768	Sabinene	0.06
15.077	beta-Pinene	0.15
15.714	Myrcene	0.53
16.637	Pseudolimonene	0.03
16.787	alpha-Phellandrene	0.16
16.933	delta-3-Carene	0.11
17.454	alpha-Terpinene	0.02
17.933	para-Cymene	0.88
18.243	Limonene	4.51
18.346	beta-Phellandrene	0.05
18.443	1,8-cineole	2.30
20.121	gamma-Terpinene	0.03
21.942	Terpinolene	0.14
22.248	para-Cymenene	0.02
28.497	Terpinen-4-ol	0.26
28.899	para-Cymen-8-ol	0.04
32.810	Carvone	0.04
33.263	Chavicol	0.04
39.035	delta-Elemene	0.02
39.810	alpha-Cubebene	0.06
40.091	Eugenol	70.90
41.688	alpha-Copaene	1.22
42.482	beta-Cubebene	0.02
42.573	beta-Elemene	0.06
43.180	Methyleugenol	7.86
43.456	Cyperene	0.01
43.712	alpha-Gurjunene	0.04
44.496	beta-Caryophyllene	6.09
45.112	gamma-Elemene	0.03
45.353	trans-alpha-Bergamotene	0.68
45.823	cis-beta-Farnesene	0.01
46.351	Unidentified	0.03
46.744	alpha-Humulene	1.44
47.015	Alloaromadendrene	0.05
47.786	Unidentified	0.04
47.948	trans-Cadina-1(6),4-diene	0.16
48.327	Germacrene D	0.11
48.522	Farnesene isomer	0.04
48.820	beta-Selinene	0.04
49.240	alpha-Selinene	0.07
49.406	alpha-Muurolene	0.06
49.994	beta-Bisabolene	0.10
50.282	Eugenyl acetate	0.06
50.433	Unidentified	0.04
50.590	delta-Cadinene	0.34
50.778	cis-Calamenene	0.09
51.945	Unidentified	0.04
52.131	Unidentified	0.04
53.009	Germacrene B	0.08
54.009	Caryophyllene alcohol	0.06
54.363	Caryophyllene oxide	0.33
55.986	Humulene epoxide II	0.08
58.066	epi-alpha-Muurolol	0.04
62.375	Unidentified	0.02
62.646	Unidentified	0.02
		100.00

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.