

Sample Information

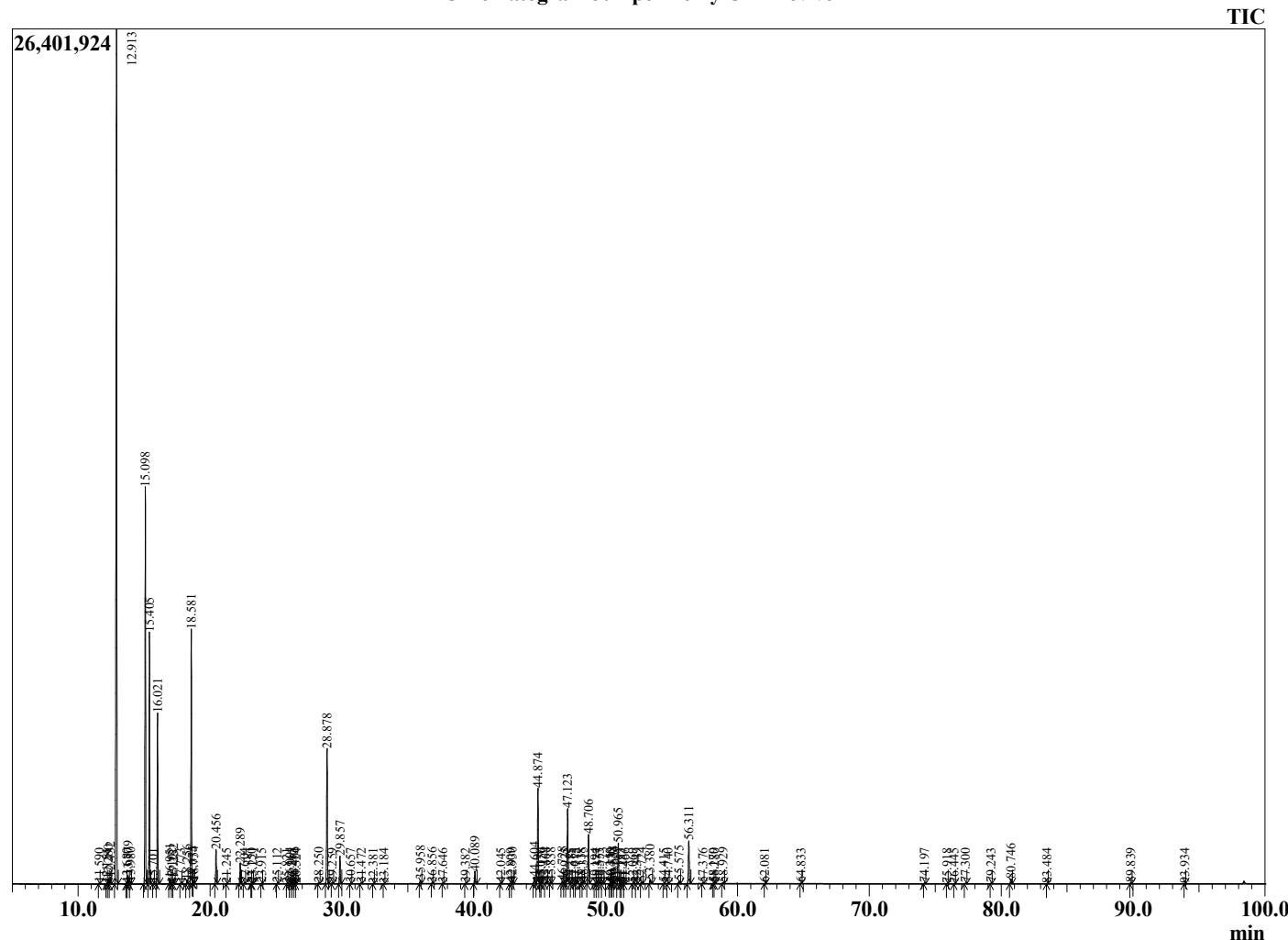
Analyzed by : Dr. Robert S. Pappas
 Analyzed : 5/5/2022 4:01:14 PM
 Sample Type : Essential Oil
 Sample Name : Juniper Berry Oil - Revive
 Sample ID : 6B
 Injection Volume : 0.10
 Instrument ID: : GC-3



Peak Report TIC

R.Time	Name	Area%
11.590	2,6-Dimethyl-3-Octene	0.02
12.154	Hashishene	0.01
12.280	Tricyclene	0.13
12.432	alpha-Thujene	0.20
12.913	alpha-Pinene	36.63
13.680	alpha-Fenchene	0.04
13.779	Camphene	0.26
13.980	Thuja-2,4(10)-diene	0.06
15.098	Sabinene	13.93
15.405	beta-Pinene	8.37
15.701	Camphene analogue	0.03
16.021	Myrcene	5.62
16.951	Pseudolimonene	0.19
17.102	alpha-Phellandrene	0.01
17.252	delta-3-Carene	0.17
17.773	alpha-Terpinene	0.03
18.256	para-Cymene	0.15
18.581	Limonene	8.60
18.675	beta-Phellandrene	0.01
18.754	1,8-Cineole	0.05
20.456	gamma-Terpinene	1.20
21.245	trans-Sabinene hydrate	0.01
22.289	Terpinolene	0.73
22.604	para-Cymenene	0.03
23.150	Perillene	0.01
23.221	alpha-Pinene oxide	0.04
23.915	Unidentified	0.02
25.112	alpha-Campholenal	0.03
25.821	trans-Limonene oxide	0.01
26.091	trans-Pinocarveol	0.09
26.215	Unidentified	0.02
26.406	trans-Verbenol	0.07
26.524	Camphor	0.01
28.250	Borneol	0.05
28.878	Terpinen-4-ol	5.40
29.259	para-Cymen-8-ol	0.02
29.857	alpha-Terpineol	1.09
30.657	Verbenone	0.02
31.472	trans-Carveol	0.04
32.381	cis-Carveol	0.01
33.184	Carvone	0.01
35.958	Bornyl acetate	0.14
36.856	Unidentified	0.03
37.646	Unidentified	0.01
39.382	delta-Elementene	0.02
40.089	alpha-Terpinyl acetate	0.51
42.045	alpha-Copaene	0.03
42.809	7-epi-Sesquithujene	0.03
42.930	beta-Elementene	0.05
44.604	alpha-Cedrene	0.35
44.874	beta-Caryophyllene	4.19
45.070	Unidentified	0.01
45.156	beta-Cedrene	0.05
45.464	gamma-Elementene	0.08
45.838	cis-Thujopsene	0.06
46.728	Aromadendrene	0.11
46.925	trans-beta-Farnesene	0.03
47.123	alpha-Humulene	3.31
47.385	Alloaromadendrene	0.02
47.615	alpha-Acoradiene	0.01
47.775	beta-Acoradiene	0.02
48.138	10-beta-H-Cadina-1(6),4-diene	0.04

Chromatogram Juniper Berry Oil - Revive



Comments:

The analysis of this Juniper Berry batch sample meets the expected chemical profile for authentic essential oil of *Juniperus communis*. 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.

R.Time	Name	Area%
48.315	trans-Cadina-1(6),4-diene	0.05
48.706	Germacrene D	2.10
49.194	beta-Selinene	0.01
49.377	trans-Muurolo-4(14),5-diene	0.03
49.555	beta-Alaskene	0.06
49.773	alpha-Muuroloene	0.05
50.350	beta-Bisabolene	0.04
50.436	Unidentified	0.02
50.538	alpha-Alaskene	0.09
50.654	gamma-Cadinene	0.09
50.965	delta-Cadinene	1.78
51.153	trans-Calamenene	0.02
51.287	beta-Sesquiphellandrene	0.03
51.466	trans-gamma-Bisabolene	0.01
52.069	Unidentified	0.03
52.349	Unidentified	0.02
52.724	Elemol	0.07
53.380	Germacrene B	0.18
54.415	Germacren D-4-ol	0.02
54.740	Caryophyllene oxide	0.04
55.575	allo-Cedrol	0.13
56.311	Cedrol	1.99
57.376	Unidentified	0.02
58.179	tau-Cadinol	0.01
58.280	epi-alpha-Cadinol	0.02
58.929	alpha-Cadinol	0.06
62.081	Unidentified	0.01
64.833	Cedryl acetate	0.02
74.197	meta-Camphorene	0.05
75.918	para-Camphorene	0.01
76.445	Manool oxide	0.01
77.300	Rimuene	0.03
79.243	Abietatriene	0.03
80.746	Abietadiene	0.23
83.484	Abieta-(8(14),13(15)-diene	0.01
89.839	4-epi-Abietal	0.05
93.934	Abietol	0.01
		100.00