

Sample Information

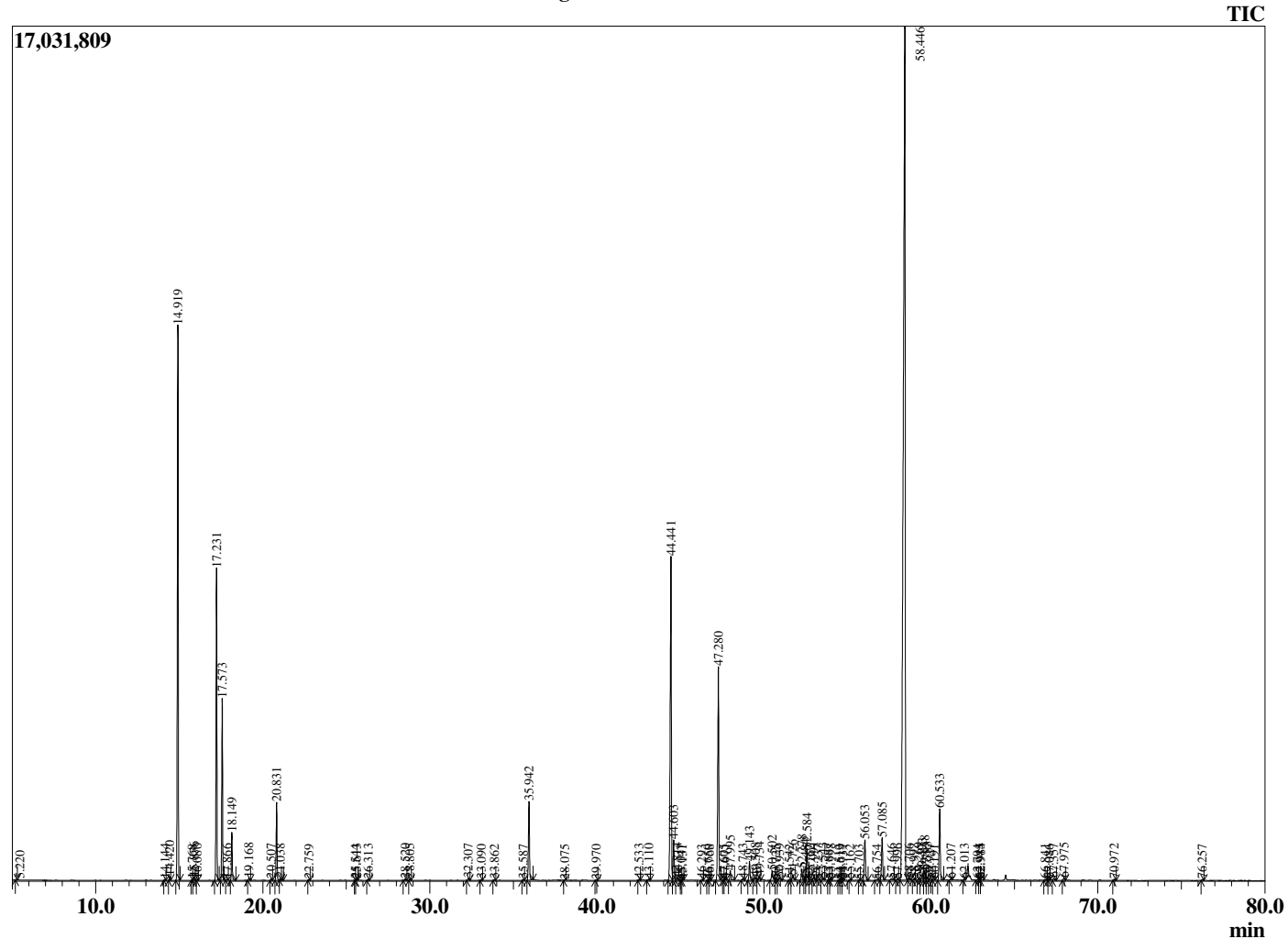
Analyzed by : Dr. Robert S. Pappas
 Analyzed : 11/25/2020 12:01:59 PM
 Sample Type : Essential Oil
 Sample Name : Carrot Seed - Barefut
 Sample ID : 0104
 Injection Volume : 0.10
 Instrument ID : GC-2



Peak Report TIC

R.Time	Name	Area%
5.220	3-Methylbutanal	0.01
14.144	Hashishene	0.02
14.420	alpha-Thujene	0.08
14.919	alpha-Pinene	12.80
15.768	alpha-Fenchene	0.02
15.876	Camphene	0.07
16.080	Thuja-2,4(10)diene	0.03
17.231	Sabinene	6.98
17.573	beta-Pinene	4.00
17.866	Camphene	0.02
18.149	Myrcene	1.07
19.168	Pseudolimonene	0.05
20.507	para-Cymene	0.04
20.831	Limonene	1.83
21.038	1,8-cineole	0.03
22.759	gamma-Terpinene	0.02
25.544	Linalool	0.02
25.613	alpha-Pinene oxide	0.04
26.313	Thujol	0.03
28.520	trans-Pinocarveol	0.04
28.805	trans-Verbenol	0.04
32.307	Myrtenol	0.06
33.090	Verbenone	0.02
33.862	trans-Carveol	0.02
35.587	Carvone	0.02
35.942	Geraniol	2.15
38.075	Unidentified	0.01
39.970	4-vinyl-Guaiacol	0.02
42.533	Unidentified	0.03
43.110	Neryl acetate	0.04
44.441	Geranyl acetate	9.93
44.603	Daucene	1.16
44.814	Unidentified	0.09
45.047	Unidentified	0.01
45.131	Unidentified	0.01
46.293	cis-beta-Caryophyllene	0.02
46.650	Longifolene	0.02
46.768	cis-alpha-Bergamotene	0.01
47.280	trans-beta-Caryophyllene	6.24
47.605	Unidentified	0.01
47.671	Unidentified	0.02
47.995	trans-alpha-Bergamotene	0.28
48.743	Unidentified	0.05
49.143	(E)-beta-Farnesene	0.52
49.508	Unidentified	0.11
49.734	cis-Cadina-1(6),4-diene	0.11
50.502	Dauca-5,8-diene	0.35
50.725	Unidentified	0.02
50.939	Ar-Curcumene	0.08
51.542	beta-Selinene	0.02
51.726	trans-methyl-Isoeugenol	0.18
52.278	Isodaucene	0.32
52.484	Unidentified	0.14
52.584	beta-Bisabolene	0.94
52.762	Unidentified	0.03
52.991	Unidentified	0.09
53.237	delta-Cadinene	0.01
53.543	beta-Sesquiphellandrene	0.07
53.887	Dauca-4(11),8-diene	0.04
53.998	trans-calamenene	0.04
54.512	Unidentified	0.02
54.619	Unidentified	0.03

Chromatogram Carrot Seed - Barefut



Comments:

The analysis of this Carrot Seed batch sample meets the expected chemical profile for authentic essential oil of *Daucus carota*. 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%
54.737	Unidentified	0.03
55.162	alpha-Calacorene	0.02
55.703	trans-Nerolidol	0.01
56.053	Isoshyobunone	1.34
56.754	Unidentified	0.03
57.085	Caryophyllene oxide	1.29
57.646	Unidentified	0.07
57.996	Unidentified	0.05
58.446	Carotol	43.19
58.706	Unidentified	0.06
58.992	Unidentified	0.03
59.269	Unidentified	0.07
59.493	Unidentified	0.22
59.638	Unidentified	0.31
59.783	Unidentified	0.11
59.927	Unidentified	0.06
60.191	Unidentified	0.02
60.533	Daucol	2.05
61.207	Unidentified	0.05
62.013	Unidentified	0.04
62.794	Unidentified	0.02
62.945	Unidentified	0.03
62.984	Unidentified	0.04
66.841	cis-Lanceol	0.03
67.086	Unidentified	0.02
67.357	Unidentified	0.07
67.975	Unidentified	0.08
70.972	Phytone	0.04
76.257	Myrcene dimer I	0.03
		100.00