

Sample Information

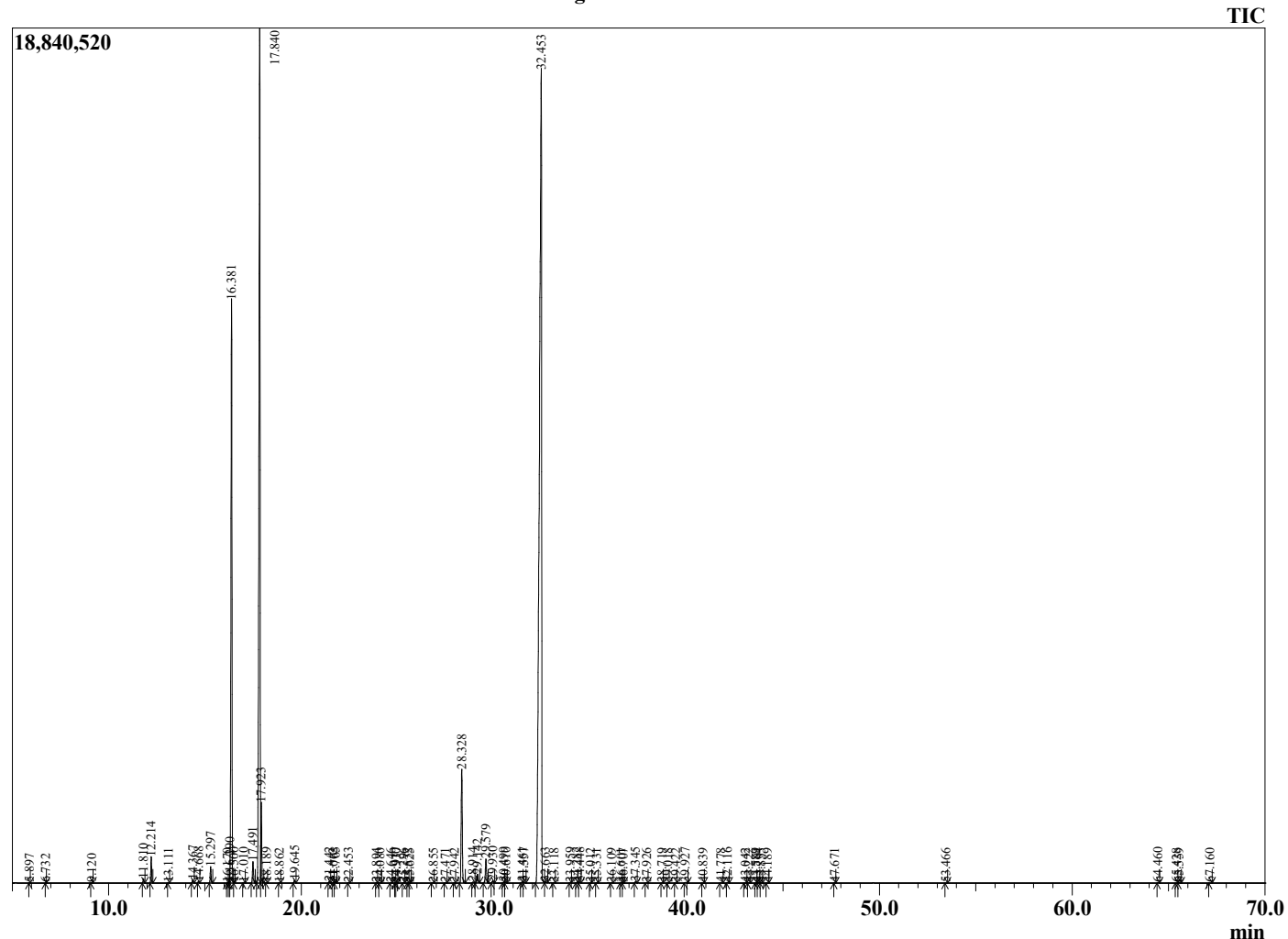
Analyzed by : Dr. Robert S. Pappas
 Analyzed : 11/7/2022 10:59:13 PM
 Sample Type : Essential Oil
 Sample Name : Dill Weed - Revive
 Sample ID : 7C
 Injection Volume : 0.10
 Instrument ID: : GC-4



Peak Report TIC

R.Time	Name	Area%
2.950	Ethanol	0.01
4.012	3-Methylbutanal	0.00
5.897	Toluene	0.01
6.732	Hexanal	0.00
9.120	Hexanol	0.00
11.810	alpha-Thujene	0.09
12.214	alpha-Pinene	0.58
13.111	Camphene	0.01
14.367	Sabinene	0.07
14.668	beta-Pinene	0.04
15.297	Myrcene	0.39
16.170	Octanal	0.01
16.290	Menthatriene isomer	0.15
16.381	alpha-Phellandrene	15.55
16.500	delta-3-Carene	0.01
17.010	alpha-Terpinene	0.02
17.491	para-Cymene	0.58
17.840	Limonene	26.58
17.923	beta-Phellandrene	1.69
18.189	cis-beta-Ocimene	0.01
18.862	trans-beta-Ocimene	0.01
19.645	gamma-Terpinene	0.07
21.442	Terpinolene	0.03
21.662	Fenchone	0.01
21.765	para-Cymenene	0.03
22.453	Undecane	0.01
23.894	trans-para-Mentha-2,8-dienol	0.01
24.080	cis-para-Menth-2-en-1-ol	0.01
24.646	cis-Limonene oxide	0.01
24.910	cis-para-Mentha-2,8-dienol	0.01
24.937	trans-Limonene oxide	0.01
25.296	Unidentified	0.01
25.532	Myrcenone	0.01
25.625	Camphor	0.00
26.855	Unidentified	0.01
27.471	Unidentified	0.01
27.942	Terpinen-4-ol	0.01
28.328	Dill ether	3.42
28.914	Unidentified	0.03
29.142	cis-Dihydrocarvone	0.25
29.579	trans-Dihydrocarvone	0.74
29.930	Unidentified	0.06
30.499	Dihydrocarveol isomer	0.03
30.610	trans-Carveol	0.02
31.461	Neoisodihydrocarveol	0.03
31.557	cis-Carveol	0.03
32.453	Carvone	49.01
32.663	Carvotanacetone	0.03
33.118	Carvenone	0.01
33.959	Unidentified	0.01
34.282	Unidentified	0.01
34.448	trans-Carvone oxide	0.03
35.012	Bornyl acetate	0.00
35.331	Unidentified	0.01
36.109	Unidentified	0.01
36.601	Unidentified	0.01
36.707	Unidentified	0.01
37.345	Unidentified	0.03
37.926	Unidentified	0.01
38.719	Unidentified	0.01
39.018	(1S,2S,4R)-1-Methyl-4-(1-methylethenyl)-1,2	0.01
39.422	Eugenol	0.00

Chromatogram Dill Weed - Revive



Comments:

The analysis of this Dill Weed batch sample meets the expected chemical profile for authentic essential oil of *Anethum graveolens*. 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%
39.927	Unidentified	0.03
40.839	Unidentified	0.00
41.778	Unidentified	0.01
42.116	Unidentified	0.02
43.042	Unidentified	0.01
43.222	Unidentified	0.01
43.589	Unidentified	0.00
43.704	Unidentified	0.01
43.855	para-Menth-1-en-9-ol acetate	0.01
44.189	Unidentified	0.00
47.671	Germacrene D	0.01
53.466	Unidentified isomer	0.01
64.460	Unidentified isomer	0.01
65.428	Phellandrene dimer	0.00
65.559	Unidentified	0.01
67.160	Unidentified	0.01
		100.00