

Sample Information

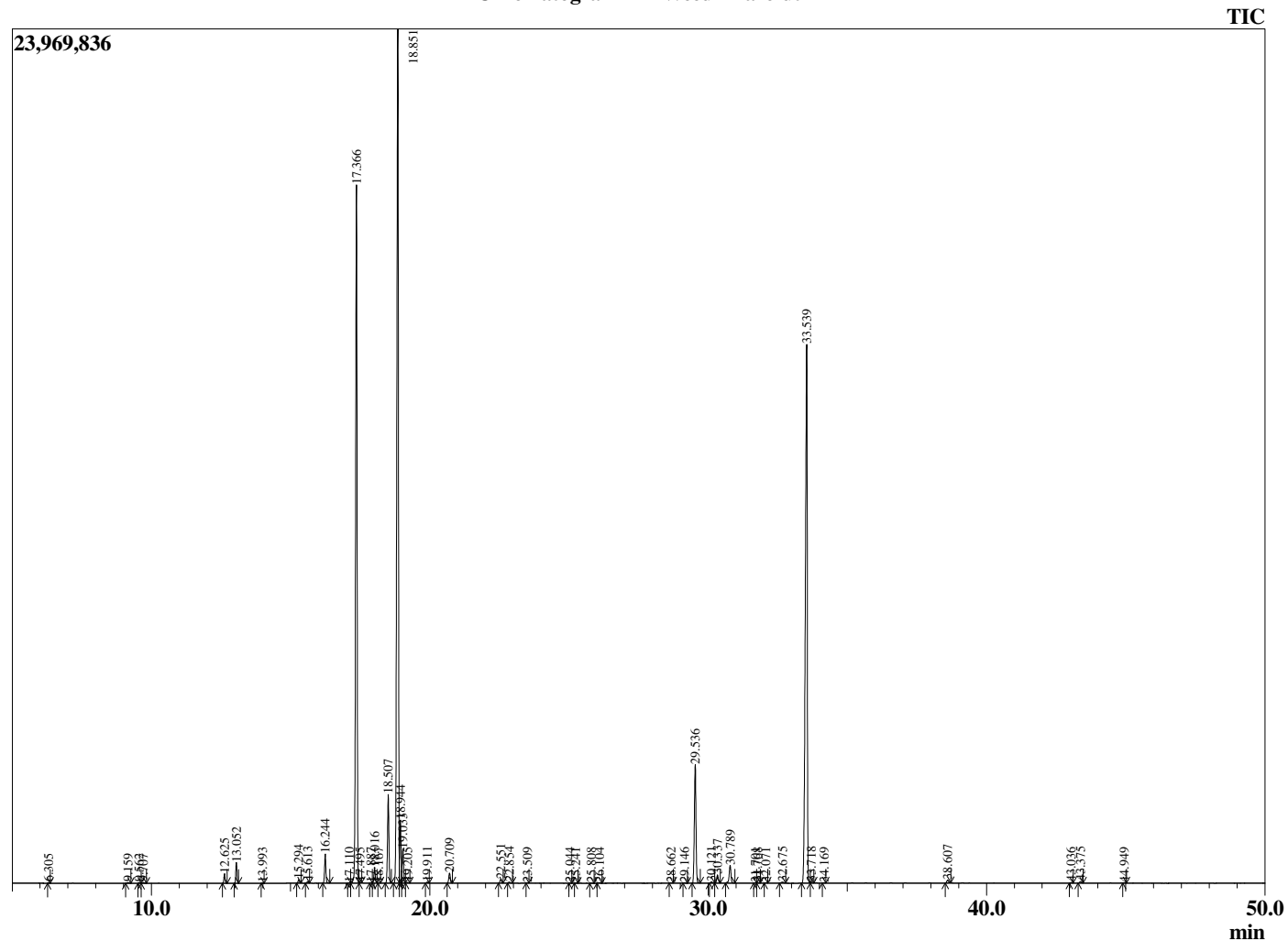
Analyzed by : Dr. Robert S. Pappas
 Analyzed : 2/5/2020 12:00:09 PM
 Sample Type : Essential Oil
 Sample Name : Dill Weed - Barefut
 Sample ID : 0102
 Injection Volume : 0.10
 Instrument ID : GC-3



Peak Report TIC

R.Time	Name	Area%
6.305	Toluene	0.02
9.159	Hex-3(Z)-enol	0.03
9.562	Hex-2(E)-enol	0.02
9.707	n-Hexanol	0.03
12.625	alpha-Thujene	0.29
13.052	alpha-Pinene	0.63
13.993	Camphene	0.01
15.294	Sabinene	0.12
15.613	beta-Pinene	0.05
16.244	Myrcene	0.95
17.110	Octanal	0.01
17.366	alpha-Phellandrene	25.16
17.495	delta-3-Carene	0.02
17.887	1,4-Cineole	0.01
18.016	alpha-Terpinene	0.53
18.167	ortho-Cymene	0.01
18.507	para-Cymene	3.12
18.851	Limonene	33.23
18.944	beta-Phellandrene	1.86
19.033	1,8-Cineole	1.12
19.205	cis-beta-Ocimene	0.03
19.911	trans-beta-Ocimene	0.03
20.709	gamma-Terpinene	0.37
22.551	Terpinolene	0.14
22.854	para-Cymenene	0.04
23.509	Linalool	0.01
25.044	trans-para-Mentha-2,8-dienol	0.01
25.241	cis-para-Menth-2-en-1-ol	0.01
25.808	cis-Limonene oxide	0.01
26.104	trans-Limonene oxide	0.03
28.662	Unidentified	0.01
29.146	Terpinen-4-ol	0.02
29.536	Dill Ether	4.87
30.121	Unidentified	0.05
30.337	cis-Dihydrocarvone	0.33
30.789	trans-Dihydrocarvone	0.77
31.701	trans-Dihydrocarveol	0.02
31.768	Unidentified	0.02
32.071	Unidentified	0.02
32.675	Unidentified	0.06
33.539	Carvone	25.70
33.718	Unidentified	0.04
34.169	Piperitone	0.01
38.607	Unidentified	0.12
43.036	Unidentified	0.02
43.375	Unidentified	0.06
44.949	Unidentified	0.02
		100.00

Chromatogram Dill Weed - Barefut



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.