

Sample Information

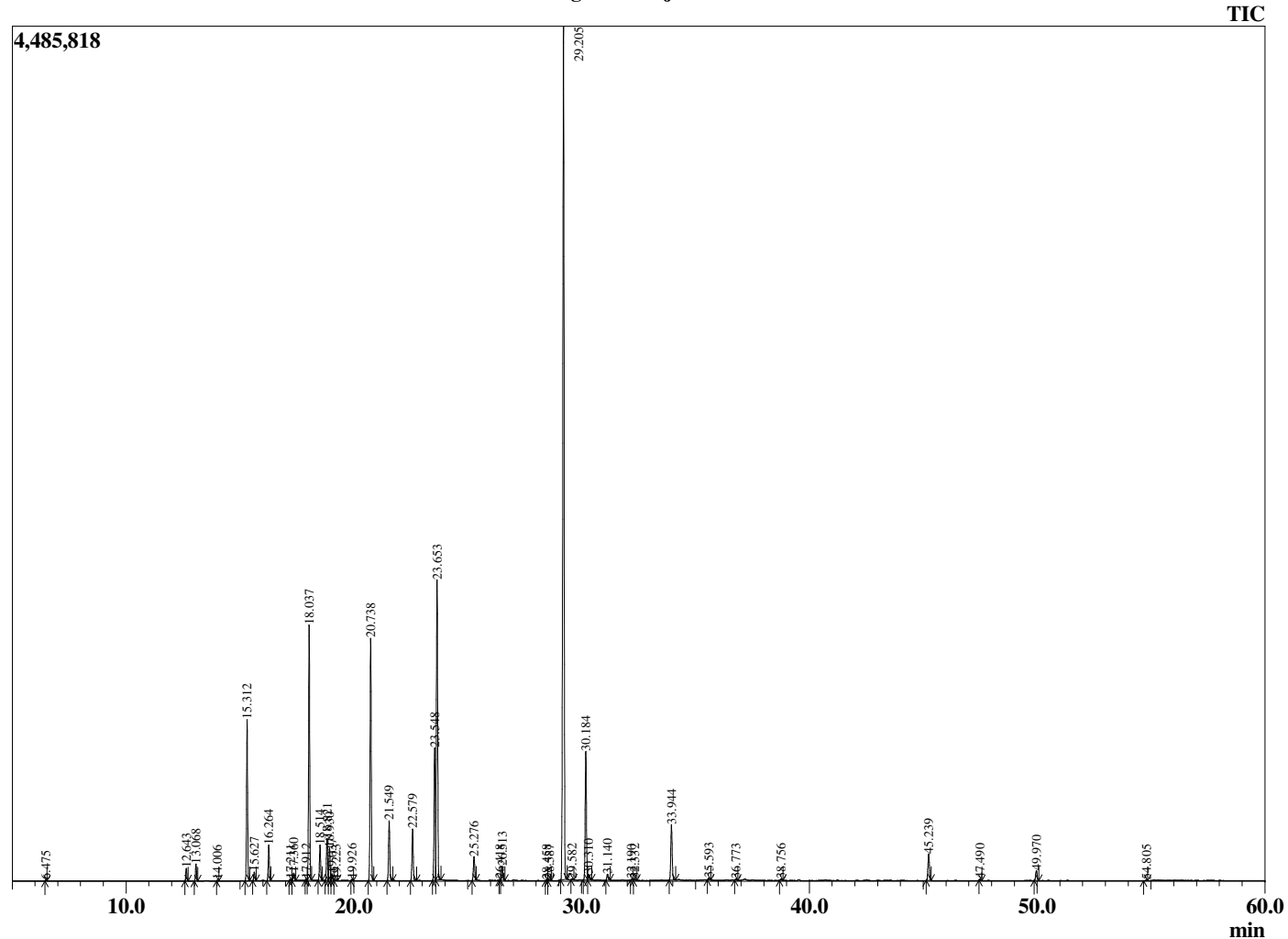
Analyzed by : Dr. Robert S. Pappas
 Analyzed : 11/22/2019 8:58:14 PM
 Sample Type : Essential Oil
 Sample Name : Marjoram - Revive
 Sample ID : E0C0326G
 Injection Volume : 0.10
 Instrument ID : GC-3



Peak Report TIC

R.Time	Name	Area%
6.475	Methyl 2-methylbutyrate	0.03
12.643	alpha-Thujene	0.40
13.068	alpha-Pinene	0.54
14.006	Camphene	0.02
15.312	Sabinene	5.28
15.627	beta-Pinene	0.31
16.264	Myrcene	1.22
17.211	Pseudolimonene	0.04
17.360	alpha-Phellandrene	0.27
17.912	1,4-Cineole	0.04
18.037	alpha-Terpinene	8.93
18.514	para-Cymene	1.28
18.821	Limonene	1.53
18.930	beta-Phellandrene	1.18
19.037	1,8-Cineole	0.25
19.223	cis-beta-Ocimene	0.04
19.926	trans-beta-Ocimene	0.05
20.738	gamma-Terpinene	9.17
21.549	trans-Sabinene hydrate	2.29
22.579	Terpinolene	2.01
23.548	Linalool	5.07
23.653	cis-Sabinene hydrate	12.17
25.276	cis-para-Menth-2-en-1-ol	0.96
26.418	trans-Pinocarveol	0.02
26.513	trans-para-Menth-2-en-1-ol	0.56
28.458	delta-Terpineol	0.03
28.587	Borneol	0.04
29.205	Terpinen-4-ol	36.00
29.582	para-Cymen-8-ol	0.03
30.184	alpha-Terpineol	5.27
30.310	cis-Piperitol	0.24
31.140	trans-Piperitol	0.27
32.190	Unidentified	0.02
32.332	Citronellol	0.05
33.944	Linalyl acetate	2.43
35.593	cis-Ascrinol glycol	0.08
36.773	trans-Ascrinol glycol	0.05
38.756	Unidentified	0.06
45.239	beta-Caryophyllene	1.22
47.490	alpha-Humulene	0.04
49.970	Bicyclogermacrene	0.46
54.805	Spathulenol	0.03
		100.00

Chromatogram Marjoram - Revive



Comments:

The analysis of this Marjoram batch sample meets the expected chemical profile for authentic essential oil of *Origanum majorana*. 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.