

Sample Information

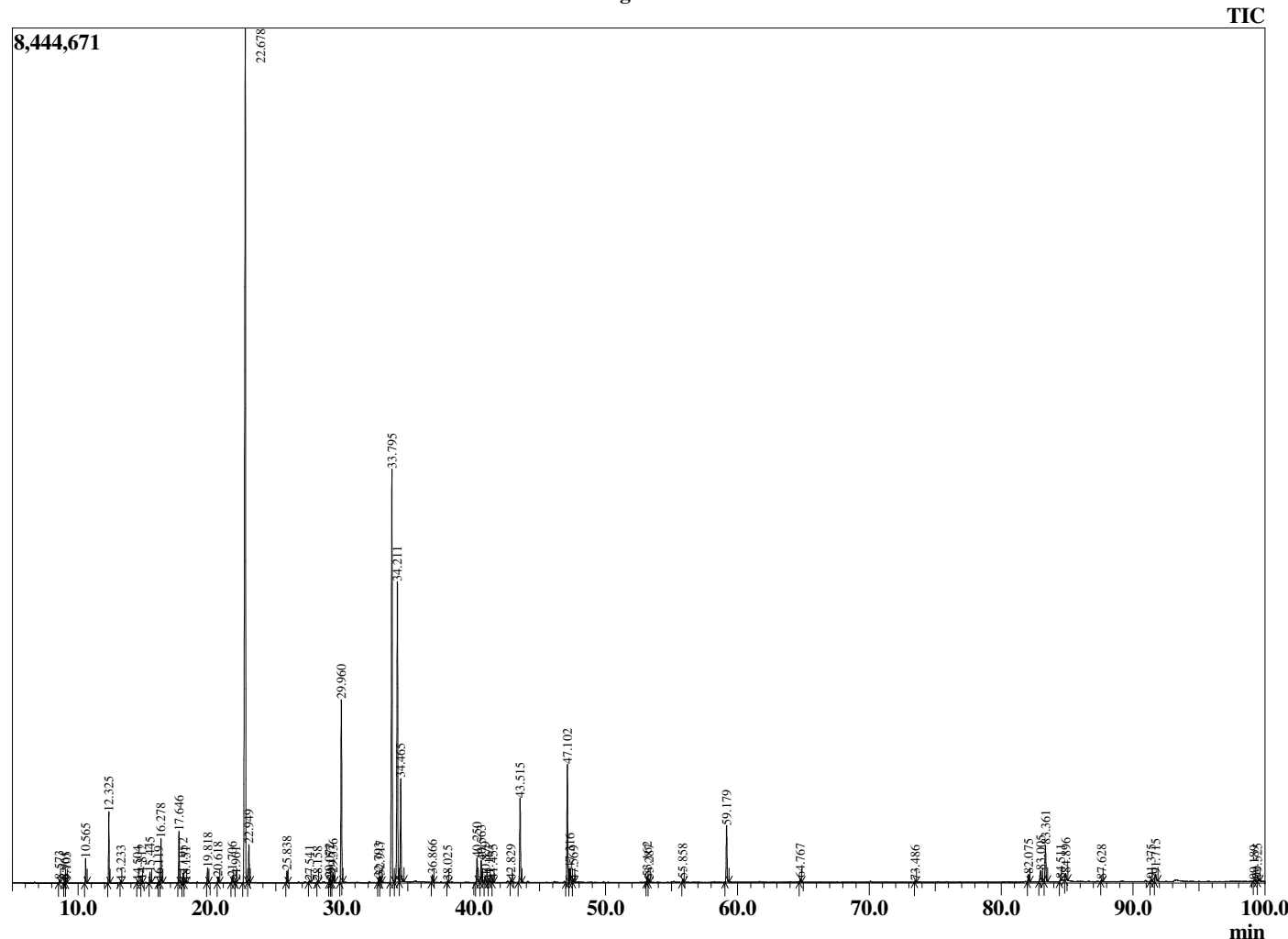
Analyzed by : Dr. Robert S. Pappas
 Analyzed : 10/5/2018 7:13:09 PM
 Sample Type : Essential Oil
 Sample Name : Cilantro
 Sample ID : 32000
 Injection Volume : 0.10
 Instrument ID: : GC-3



Peak Report TIC

R.Time	Name	Area%
8.573	Hex-3(Z)-enol	0.08
8.961	Hex-2(E)-enol	0.07
9.105	n-Hexanol	0.05
10.565	n-Nonane	0.57
12.325	alpha-Pinene	1.75
13.233	Camphene	0.06
14.504	Sabinene	0.04
14.812	beta-Pinene	0.09
15.445	Myrcene	0.31
16.119	Decane	0.04
16.278	Octanal	1.26
17.646	para-Cymene	1.47
17.952	Limonene	0.27
18.151	1,8-Cineole	0.05
19.818	gamma-Terpinene	0.46
20.618	n-Octanol	0.23
21.706	cis-Linalool oxide (furanoid)	0.21
21.961	Unidentified	0.04
22.678	Linalool	36.51
22.949	Nonanal	1.16
25.838	Camphor	0.39
27.541	Unidentified	0.07
28.158	Terpinen-4-ol	0.04
29.072	Dec-4(Z)-enal	0.14
29.157	alpha-Terpineol	0.06
29.336	Dec-4(E)-enal	0.30
29.960	Decanal	6.30
32.793	Dec-2(Z)-enal	0.16
32.917	Geraniol	0.22
33.795	Dec-2(E)-enal	15.83
34.211	Dec-2(E)-enol	11.58
34.465	n-Decanol	3.67
36.866	Undecanal	0.26
38.025	Unidentified	0.04
40.250	Unidentified	0.83
40.563	Undec-2(E)-enal	0.77
40.879	Undec-2(E)-enol	0.20
41.163	Undecanol	0.04
41.455	Geranyl acetate	0.09
42.829	Unidentified	0.08
43.515	Dodecanal	3.09
47.102	Dodec-2(E)-enal	4.34
47.316	Dodec-2(E)-enol	0.52
47.569	Dodecanol	0.05
53.162	Unidentified	0.20
53.287	Tridec-2(E)-enal	0.10
55.858	Tetradecanal	0.13
59.179	Tetradec-2(E)-enal	2.13
64.767	Unidentified cilantro sesquiterpenoid	0.14
73.486	Unidentified	0.04
82.075	Unidentified	0.30
83.005	Unidentified cilantro sesquiterpenoid	0.58
83.361	Unidentified cilantro sesquiterpenol	1.51
84.511	Unidentified cilantro sesquiterpenoid	0.07
84.896	Unidentified	0.29
87.628	Unidentified cilantro sesquiterpenol	0.07
91.375	Unidentified cilantro sesquiterpenoid	0.08
91.715	Unidentified cilantro sesquiterpenoid	0.34
99.189	Unidentified cilantro sesquiterpenoid	0.05
99.525	Unidentified cilantro sesquiterpenoid	0.12
		100.00

Chromatogram Cilantro



Comments:

The analysis of this Cilantro batch sample meets the expected chemical profile for authentic essential oil of *Coriandrum sativum*. 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.