

Sample Information

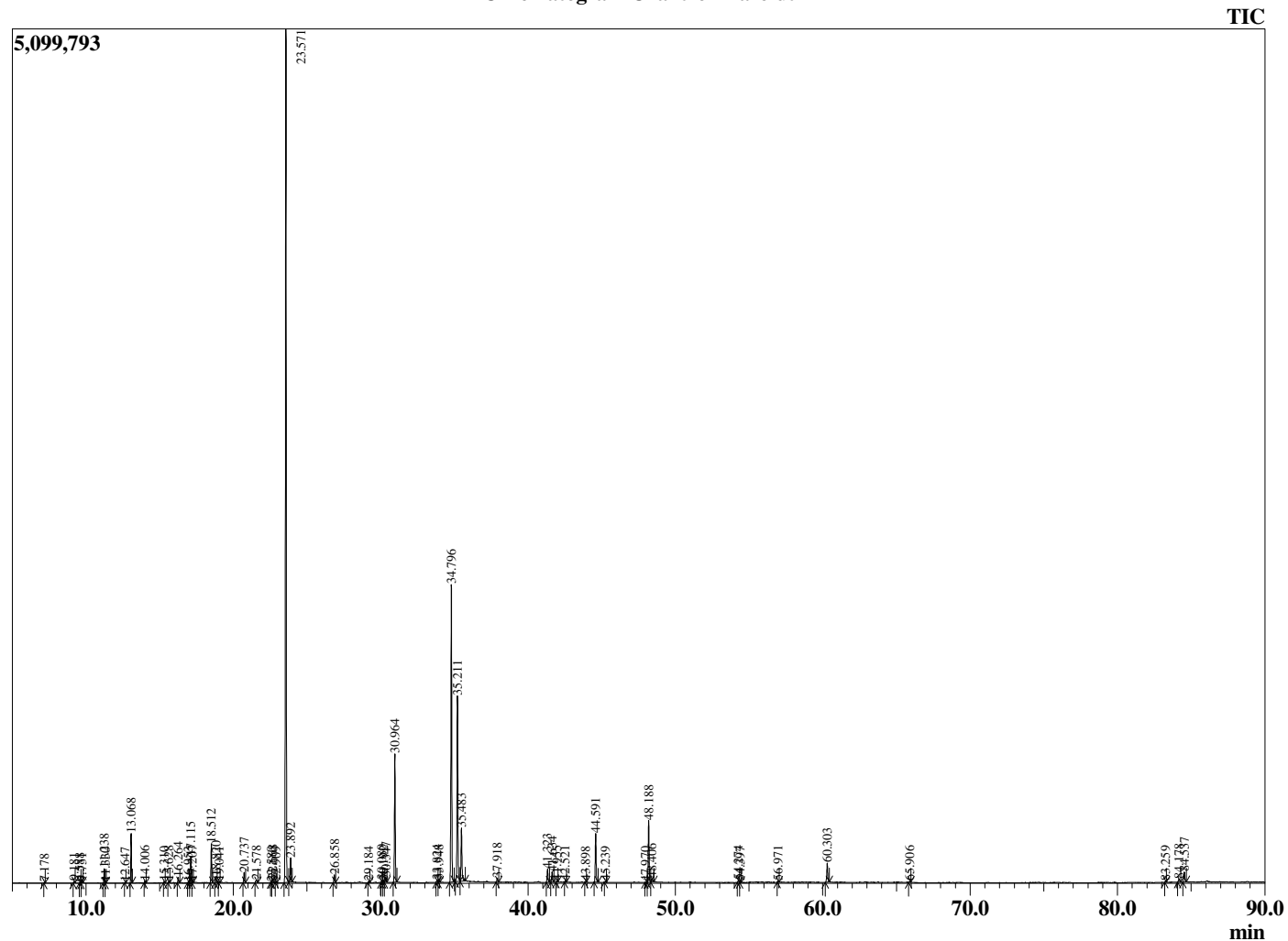
Analyzed by : Dr. Robert S. Pappas  
 Analyzed : 11/21/2019 7:38:51 AM  
 Sample Type : Essential Oil  
 Sample Name : Cilantro - Barefut  
 Sample ID : 0102  
 Injection Volume : 0.10  
 Instrument ID: : GC-3



Peak Report TIC

R.Time	Name	Area%
7.178	Octane	0.02
9.181	Hex-3(Z)-enol	0.06
9.588	Hex-2(E)-enol	0.05
9.731	n-Hexanol	0.04
11.238	Nonane	0.55
11.330	Heptanal	0.02
12.647	alpha-Thujene	0.02
13.068	alpha-Pinene	2.05
14.006	Camphene	0.08
15.310	Sabinene	0.05
15.628	beta-Pinene	0.10
16.264	Myrcene	0.25
16.953	Decane	0.05
17.115	Octanal	1.16
17.207	Pseudolimonene	0.06
18.512	para-Cymene	1.80
18.820	Limonene	0.28
19.041	1,8-Cineole	0.04
20.737	gamma-Terpinene	0.50
21.578	cis-Linalool oxide (furanoid)	0.19
22.580	Terpinolene	0.02
22.668	trans-Linalool oxide (furnaoiid)	0.16
22.909	Unidentified	0.04
23.571	Linalool	43.45
23.892	Nonanal	1.25
26.858	Camphor	0.43
29.184	Terpinen-4-ol	0.04
30.080	Dec-(4Z)-enal	0.12
30.192	alpha-Terpineol	0.06
30.347	Dec-(4E)-enal	0.26
30.964	Decanal	6.53
33.824	Dec-2(E)-enal	0.13
33.948	Geraniol	0.15
34.796	Dec-2(E)-enal	15.75
35.211	Dec-(2E)-en-1-ol	10.33
35.483	Decanol	3.23
37.918	Undecanal	0.23
41.323	Unidentified	0.77
41.634	Undec-(2E)-enal	0.59
41.955	Undec-(2E)-en-1-ol	0.07
42.521	Geranyl acetate	0.06
43.898	Unidentified	0.04
44.591	Dodecanal	2.74
45.239	beta-Caryophyllene	0.04
47.970	Unidentified	0.02
48.188	Dodec-2(E)-enal	3.46
48.406	Dodec-(2E)-en-1-ol	0.26
54.274	Unidentified	0.13
54.397	Tridec-(2E)-enal	0.05
56.971	Tetradecanal	0.06
60.303	Tetradec-(2E)-enal	1.16
65.906	Unidentified	0.06
83.259	Unidentified	0.05
84.178	Unidentified	0.22
84.537	Unidentified	0.67
		100.00

Chromatogram Cilantro - Barefut



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.