

Sample Information

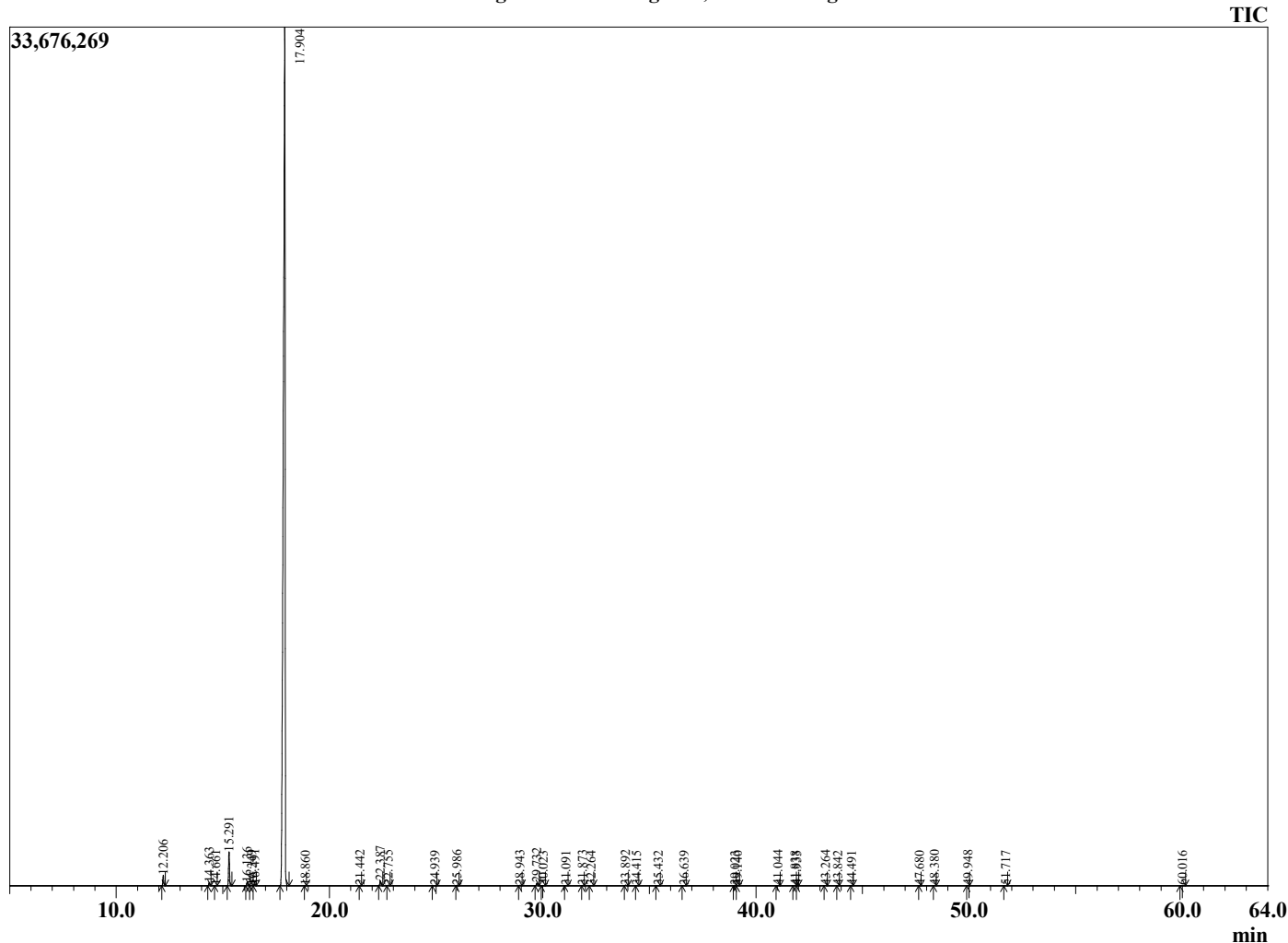
Analyzed by : Dr. Robert S. Pappas
 Analyzed : 12/7/2022 5:14:09 PM
 Sample Type : Essential Oil
 Sample Name : NOP Orange Oil, Certified Organic - Revive
 Sample ID : 4A
 Injection Volume : 0.10
 Instrument ID: : GC-4



Peak Report TIC

R.Time	Name	Area%
12.206	alpha-Pinene	0.57
14.363	Sabinene	0.19
14.661	beta-Pinene	0.02
15.291	Myrcene	2.06
16.136	Octanal	0.22
16.349	alpha-Phellandrene	0.04
16.491	delta-3-Carene	0.08
17.904	Limonene	95.79
18.860	trans-beta-Ocimene	0.01
21.442	Terpinolene	0.01
22.387	Linalool	0.34
22.755	Nonanal	0.04
24.939	cis-Limonene oxide	0.02
25.986	Citronellal	0.04
28.943	alpha-Terpineol	0.04
29.732	Decanal	0.21
30.023	Octyl acetate	0.01
31.091	Citronellol	0.01
31.873	Neral	0.02
32.264	Carvone	0.01
33.892	Geranial	0.05
34.415	Perillaldehyde	0.01
35.432	Perilla alcohol	0.01
36.639	Undecanal	0.01
39.023	Unidentified	0.01
39.140	alpha-Terpinyol acetate	0.00
41.044	alpha-Copaene	0.03
41.838	beta-Copaene	0.02
41.933	beta-Elementene	0.01
43.264	Dodecanal	0.03
43.842	trans-beta-Caryophyllene	0.01
44.491	beta-Copaene	0.02
47.680	Germacrene D	0.01
48.380	Valencene	0.02
49.948	delta-Cadinene	0.02
51.717	Elemol	0.01
60.016	alpha-Sinensal	0.01
		100.00

Chromatogram NOP Orange Oil, Certified Organic



Comments:

The analysis of this Orange batch sample meets the expected chemical profile for authentic essential oil of *Citrus sinensis*. 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.