

Sample Information

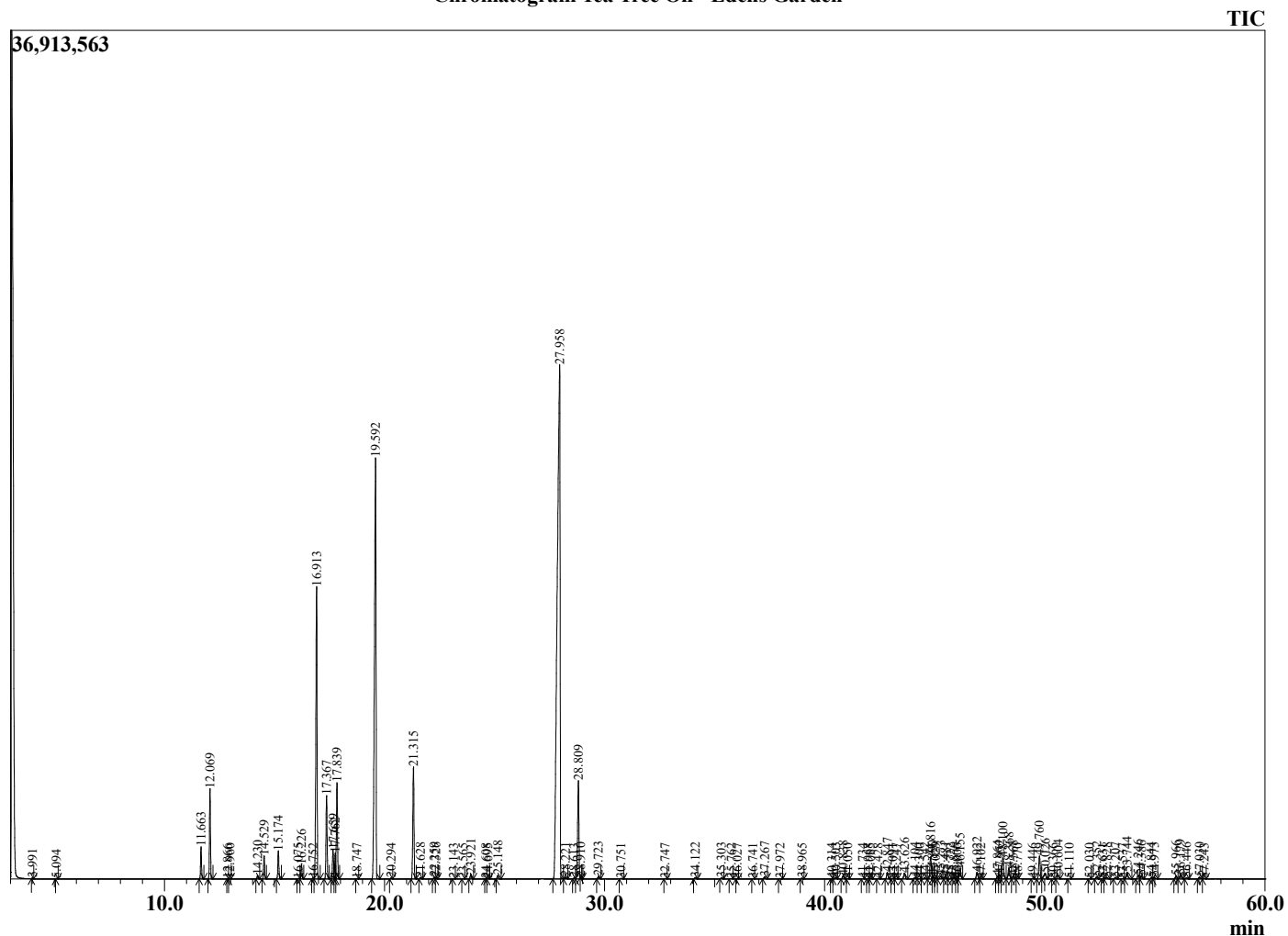
Analyzed by : Dr. Robert S. Pappas
 Analyzed : 7/13/2022 12:27:28 AM
 Sample Type : Essential Oil
 Sample Name : Tea Tree Oil - Edens Garden
 Sample ID : EG Lot #BB13GBC
 Injection Volume : 0.10
 Instrument ID: GC-2



Peak Report TIC

| R.Time | Name | Area% |
|--------|----------------------------|-------|
| 3.991 | 2-Methylbutanal | 0.02 |
| 5.094 | Isobutyric acid | 0.02 |
| 11.663 | alpha-Thujene | 0.88 |
| 12.069 | alpha-Pinene | 2.51 |
| 12.866 | alpha-Fenchene | 0.00 |
| 12.960 | Camphene | 0.01 |
| 14.230 | Sabinene | 0.10 |
| 14.529 | beta-Pinene | 0.69 |
| 15.174 | Myrcene | 0.84 |
| 16.075 | Pseudolimonene | 0.01 |
| 16.226 | alpha-Phellandrene | 0.44 |
| 16.752 | 1,4-Cineole | 0.03 |
| 16.913 | alpha-Terpinene | 9.96 |
| 17.367 | para-Cymene | 2.62 |
| 17.659 | Limonene | 0.97 |
| 17.762 | beta-Phellandrene | 0.70 |
| 17.839 | 1,8-Cineole | 3.16 |
| 18.747 | (E)-beta-Ocimene | 0.01 |
| 19.592 | gamma-Terpinene | 19.05 |
| 20.294 | trans-Sabinene hydrate | 0.03 |
| 21.315 | Terpinolene | 3.75 |
| 21.628 | para-Cymenene | 0.05 |
| 22.259 | Linalool | 0.07 |
| 22.326 | cis-Sabinene hydrate | 0.03 |
| 23.143 | Menthatriene isomer | 0.01 |
| 23.565 | alpha-Fenchol | 0.01 |
| 23.921 | cis-para-Menth-2-en-1-ol | 0.17 |
| 24.608 | Unidentified | 0.01 |
| 24.695 | Terpin-3-en-1-ol | 0.02 |
| 25.148 | trans-para-Menth-2-en-1-ol | 0.13 |
| 27.958 | Terpinen-4-ol | 41.39 |
| 28.221 | para-Cymen-8-ol | 0.06 |
| 28.613 | Unidentified | 0.03 |
| 28.809 | alpha-Terpineol | 3.78 |
| 28.910 | cis-Piperitol | 0.01 |
| 29.723 | trans-Piperitol | 0.10 |
| 30.751 | Nerol | 0.03 |
| 32.747 | Piperitone | 0.01 |
| 34.122 | cis-Ascidol glycol | 0.06 |
| 35.303 | trans-Ascidol glycol | 0.04 |
| 35.762 | Carvacrol | 0.01 |
| 36.027 | Unidentified | 0.01 |
| 36.741 | Unidentified | 0.01 |
| 37.267 | Unidentified | 0.08 |
| 37.972 | delta-Elementene | 0.02 |
| 38.965 | alpha-Cubebene | 0.03 |
| 40.314 | Unidentified | 0.01 |
| 40.503 | Isoledene | 0.06 |
| 40.838 | alpha-Copaene | 0.13 |
| 41.050 | Guaiene-6,9-diene | 0.01 |
| 41.734 | beta-Elementene | 0.02 |
| 41.968 | Unidentified | 0.01 |
| 42.085 | Unidentified | 0.02 |
| 42.428 | Methyleugenol | 0.02 |
| 42.847 | alpha-Gurjunene | 0.26 |
| 43.091 | beta-Maaliene | 0.03 |
| 43.247 | Unidentified | 0.02 |
| 43.626 | trans-beta-Caryophyllene | 0.26 |
| 44.104 | gamma-Maaliene | 0.06 |
| 44.300 | Calarene | 0.02 |
| 44.542 | alpha-Maaliene | 0.07 |
| 44.816 | Aromadendrene | 0.93 |

Chromatogram Tea Tree Oil - Edens Garden



Comments:

The analysis of this Tea Tree Oil batch sample meets the expected chemical profile for authentic essential oil of *Melaleuca alternifolia*.

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.

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| R.Time | Name | Area% |
|--------|-------------------------------|--------|
| 44.890 | Unidentified | 0.12 |
| 45.029 | alpha-Guaiene | 0.04 |
| 45.273 | Unidentified | 0.15 |
| 45.481 | trans-Murrola-3,5-diene | 0.09 |
| 45.722 | Valerna-4,7(11)-diene | 0.03 |
| 45.879 | alpha-Humulene | 0.07 |
| 46.006 | Unidentified | 0.02 |
| 46.155 | Alloaromodendrene | 0.44 |
| 46.922 | 10-beta-H-Cadina-1(6),4-diene | 0.29 |
| 47.102 | trans-Cadina-1(6),4-diene | 0.03 |
| 47.864 | delta-Selinene | 0.13 |
| 47.952 | beta-Selinene | 0.20 |
| 48.100 | Viridiflorene | 0.92 |
| 48.368 | Bicyclodermacrene | 0.50 |
| 48.568 | alpha-Murolene | 0.12 |
| 48.770 | Unidentified | 0.01 |
| 49.446 | gamma-Cadinene | 0.02 |
| 49.760 | delta-Cadinene | 0.94 |
| 50.026 | trans-Calamenene + Zonarene | 0.33 |
| 50.366 | Unidentified | 0.01 |
| 50.604 | trans-Cadina-1,4-diene | 0.15 |
| 51.110 | alpha-Calacorene | 0.01 |
| 52.030 | Unidentified | 0.01 |
| 52.352 | Unidentified | 0.09 |
| 52.631 | Unidentified | 0.01 |
| 52.828 | Palustrol | 0.09 |
| 53.207 | Spathulenol | 0.07 |
| 53.537 | Unidentified | 0.01 |
| 53.744 | Globulol | 0.31 |
| 54.246 | Viridiflorol | 0.18 |
| 54.386 | Guaiol | 0.14 |
| 54.844 | Ledol | 0.04 |
| 54.973 | Rosifoliol | 0.08 |
| 55.966 | Unidentified | 0.13 |
| 56.179 | Epicubenol | 0.17 |
| 56.446 | Unidentified | 0.05 |
| 57.030 | tau-Cadinol | 0.09 |
| 57.243 | delta-Cadinol | 0.03 |
| | | 100.00 |