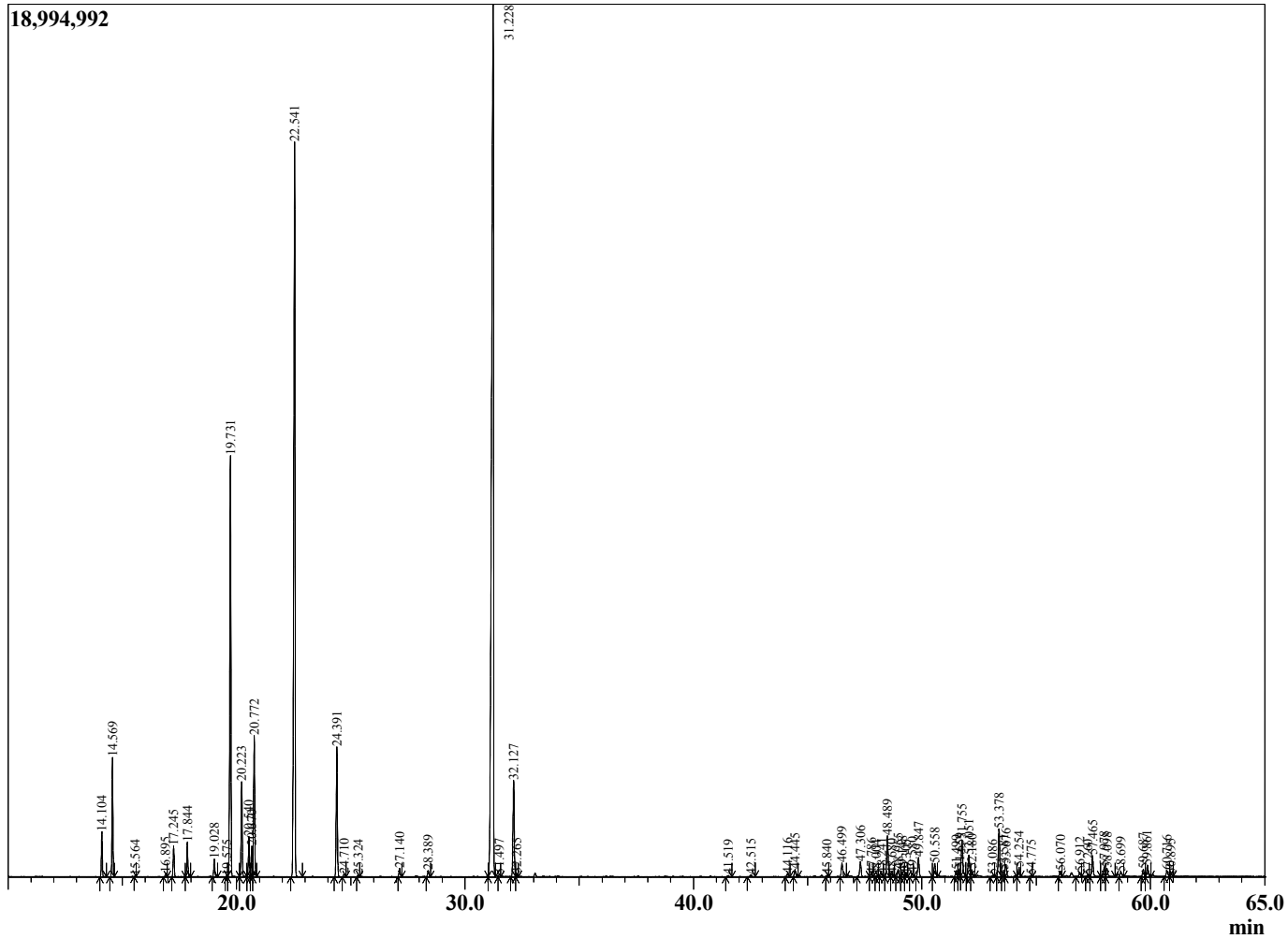


Sample Information

Analyzed : 1/12/2015 3:16:00 PM
 Sample Type : Essential Oil
 Sample Name : Melaleuca alternifolia
 Injection Volume : 0.10

Chromatogram Melaleuca alternifolia



| R.Time | Name | Area% |
|--------|--------------------------------|-------|
| 14.104 | Thujene <alpha> | 0.94 |
| 14.569 | Pinene <alpha> | 2.44 |
| 15.564 | Camphene | 0.01 |
| 16.895 | Sabinene | 0.09 |
| 17.245 | Pinene <beta> | 0.72 |
| 17.844 | Myrcene | 0.81 |
| 19.028 | Phellandrene <alpha> | 0.44 |
| 19.575 | 1,4-Cineole | 0.02 |
| 19.731 | Terpinene <alpha> | 10.33 |
| 20.223 | p-Cymene | 2.36 |
| 20.540 | Limonene | 1.02 |
| 20.670 | Phellandrene <beta> | 0.77 |
| 20.772 | 1,8-Cineole | 3.38 |
| 22.541 | Terpinene <gamma> | 20.31 |
| 24.391 | Terpinolene | 3.55 |
| 24.710 | Dehydro-p-cymene | 0.08 |
| 25.324 | Linalool | 0.05 |
| 27.140 | Sabina ketone <dehydro> | 0.25 |
| 28.389 | Sabina ketone <dehydro isomer> | 0.19 |
| 31.228 | Terpinen-4-ol | 36.54 |
| 31.497 | Cymen-8-ol <para> | 0.09 |
| 32.127 | Terpineol <alpha> | 2.78 |
| 32.265 | Piperitol <cis> | 0.09 |
| 41.519 | Elemene <delta> | 0.05 |
| 42.515 | Cubebene <alpha> | 0.06 |
| 44.116 | Isoledene | 0.11 |
| 44.445 | Copaene <alpha> | 0.23 |
| 45.840 | Methyleugenol | 0.05 |
| 46.499 | Cyperene | 0.43 |
| 47.306 | Caryophyllene <trans> | 0.52 |
| 47.786 | Gurjunene isomer | 0.10 |
| 48.004 | Gurjunene isomer | 0.03 |
| 48.241 | Gurjuenene <beta> | 0.11 |
| 48.489 | Aromandendrene | 1.31 |
| 48.680 | Guaiene isomer | 0.08 |
| 48.955 | Guaiene <alpha> | 0.24 |
| 49.148 | Murrola-3,5-diene <trans> | 0.15 |
| 49.305 | Gurjunene <alpha> | 0.06 |
| 49.580 | Humulene <alpha> | 0.12 |
| 49.847 | Alloaromadendrene | 0.62 |
| 50.558 | Cadina-1(6),4-diene <trans> | 0.50 |
| 51.499 | Selinene <delta> | 0.20 |
| 51.659 | Selinene <beta> | 0.25 |
| 51.755 | Viridiflorene (Ledene) | 1.19 |
| 52.051 | Bicyclogermacrene | 0.74 |
| 52.180 | Muuroleone <alpha> | 0.22 |
| 53.086 | Cadinene <gamma> | 0.05 |
| 53.378 | Cadinene <delta> | 1.48 |
| 53.581 | Calamenene <cis> | 0.20 |
| 53.676 | Zonarene | 0.40 |
| 54.254 | Cadine-1,4-diene <trans> | 0.29 |
| 54.775 | Calacorene <alpha> | 0.04 |
| 56.070 | Viridiflorol | 0.20 |
| 56.912 | Spathulenol | 0.16 |
| 57.260 | Isospathulenol | 0.06 |
| 57.465 | Isomer of alloaromanderene | 0.70 |

| R.Time | Name | Area% |
|--------|------------------------------|--------|
| 57.978 | Isomer of alloaromanderene | 0.33 |
| 58.098 | Guaiol | 0.32 |
| 58.699 | Eudesmol isomer | 0.19 |
| 59.687 | Eudesmol <5-epi-7-epi-alpha> | 0.27 |
| 59.861 | Cubenol isomer | 0.39 |
| 60.716 | Cubenol<1-epi> | 0.23 |
| 60.895 | Cadinol isomer | 0.10 |
| | | 100.00 |