

Sample Information

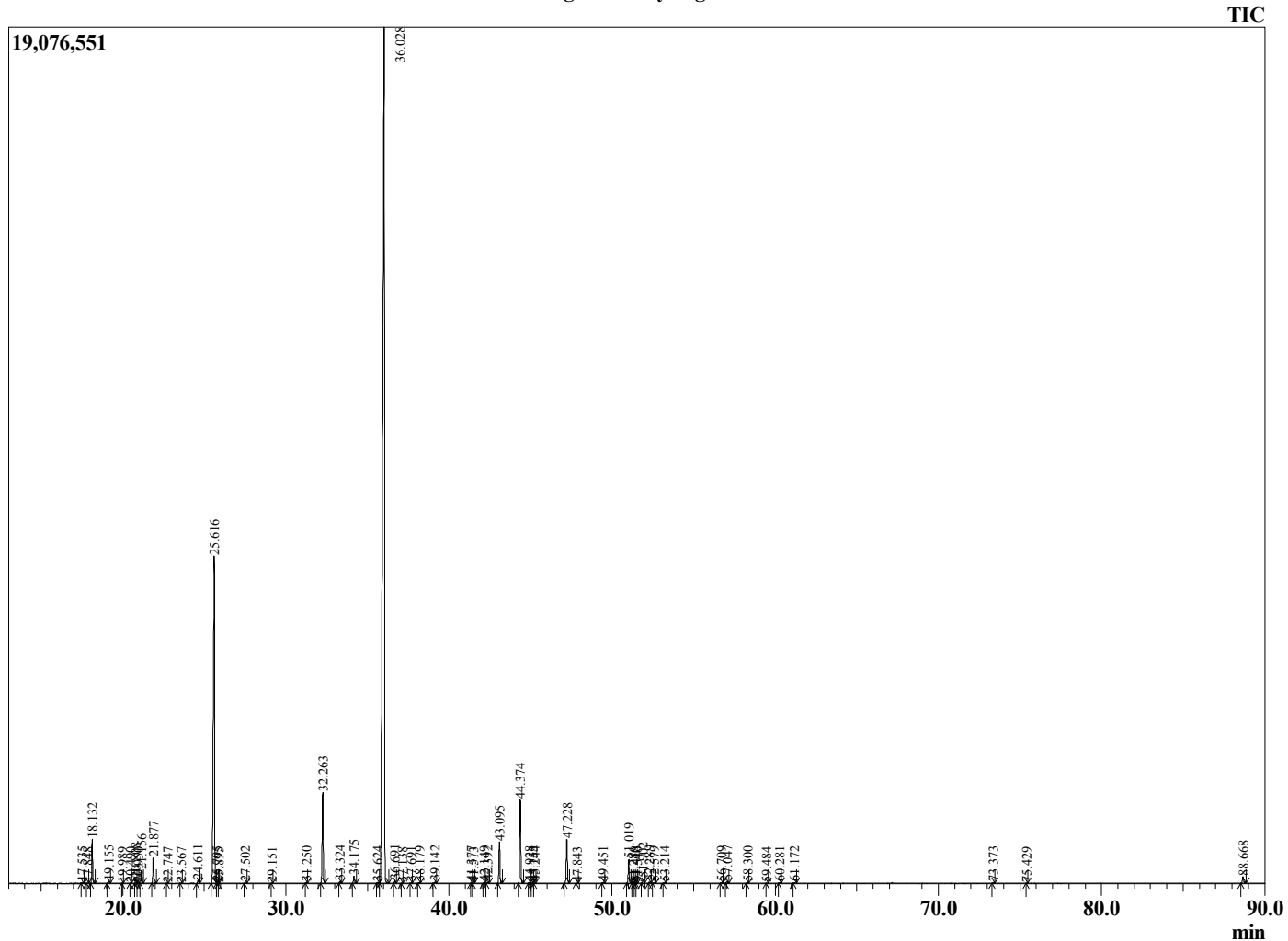
Analyzed by : Dr. Robert S. Pappas
 Analyzed : 11/18/2020 6:40:27 AM
 Sample Type : Essential Oil
 Sample Name : Clary Sage - Barefut
 Sample ID : 0106
 Injection Volume : 0.10
 Instrument ID : GC-2



Peak Report TIC

| R.Time | Name | Area% |
|--------|-------------------------------|--------|
| 10.702 | Hex-3(Z)-enol | 0.05 |
| 11.141 | Hex-2(E)-enol | 0.02 |
| 11.298 | n-Hexanol | 0.01 |
| 17.535 | beta-Pinene | 0.04 |
| 17.848 | Unidentified | 0.02 |
| 18.132 | Myrcene | 1.53 |
| 19.155 | Pseudolimonene | 0.08 |
| 19.989 | alpha-Terpinene | 0.01 |
| 20.490 | para-Cymene | 0.01 |
| 20.808 | Limonene | 0.16 |
| 20.950 | Unidentified | 0.00 |
| 21.156 | (Z)-beta-Ocimene | 0.46 |
| 21.877 | (E)-beta-Ocimene | 0.93 |
| 22.747 | gamma-Terpinene | 0.01 |
| 23.567 | cis-Linalool oxide (furanoid) | 0.01 |
| 24.611 | Terpinolene | 0.12 |
| 25.616 | Linalool | 17.50 |
| 25.795 | Hotrienol | 0.03 |
| 25.895 | Nonanal | 0.01 |
| 27.502 | allo-Ocimene | 0.04 |
| 29.151 | Unidentified | 0.01 |
| 31.250 | Terpinen-4-ol | 0.02 |
| 32.263 | alpha-Terpineol | 3.83 |
| 33.324 | Linalyl formate | 0.09 |
| 34.175 | Nerol | 0.29 |
| 35.624 | Unidentified | 0.04 |
| 36.028 | Linalyl acetate | 64.82 |
| 36.691 | Unidentified | 0.10 |
| 37.138 | Geranial | 0.01 |
| 37.691 | Unidentified | 0.02 |
| 38.179 | Bornyl acetate | 0.02 |
| 39.142 | Geranyl formate | 0.06 |
| 41.377 | Unidentified | 0.01 |
| 41.513 | Unidentified | 0.01 |
| 42.149 | Unidentified | 0.02 |
| 42.392 | alpha-Terpinyl acetate | 0.07 |
| 43.095 | Neryl acetate | 1.75 |
| 44.374 | Geranyl acetate | 3.60 |
| 44.928 | beta-Bourbonene | 0.04 |
| 45.155 | beta-Cubebene | 0.04 |
| 45.244 | beta-Elemene | 0.04 |
| 47.228 | trans-beta-Caryophyllene | 2.00 |
| 47.843 | beta-Copaene | 0.01 |
| 49.451 | alpha-Humulene | 0.04 |
| 51.019 | Germacrene D | 1.02 |
| 51.286 | Unidentified | 0.01 |
| 51.418 | Unidentified | 0.02 |
| 51.540 | Unidentified | 0.01 |
| 51.902 | Bicyclogermacrene | 0.19 |
| 52.289 | (E,E)-alpha-Farnesene | 0.05 |
| 52.579 | beta-Bisabolene | 0.02 |
| 53.214 | delta-Cadinene | 0.04 |
| 56.709 | Spathulenol | 0.04 |
| 57.047 | Caryophyllene oxide | 0.09 |
| 58.300 | Unidentified | 0.04 |
| 59.484 | Unidentified | 0.02 |
| 60.281 | Unidentified | 0.04 |
| 61.172 | beta-Eudesmol | 0.03 |
| 73.373 | Unidentified | 0.05 |
| 75.429 | Unidentified | 0.01 |
| 88.668 | Sclareol | 0.35 |
| | | 100.00 |

Chromatogram Clary Sage - Barefut



Comments:

The analysis of this Clary Sage batch sample meets the expected chemical profile for authentic essential oil of *Salvia sclarea*. 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.