

Sample Information

Analyzed by : Dr. Robert S. Pappas
 Analyzed : 7/20/2018 6:00:19 AM
 Sample Type : Essential Oil
 Sample Name : Clove Bud - Edens Garden
 Sample ID : AH06GD
 Injection Volume : 0.10
 Instrument ID : GC-3

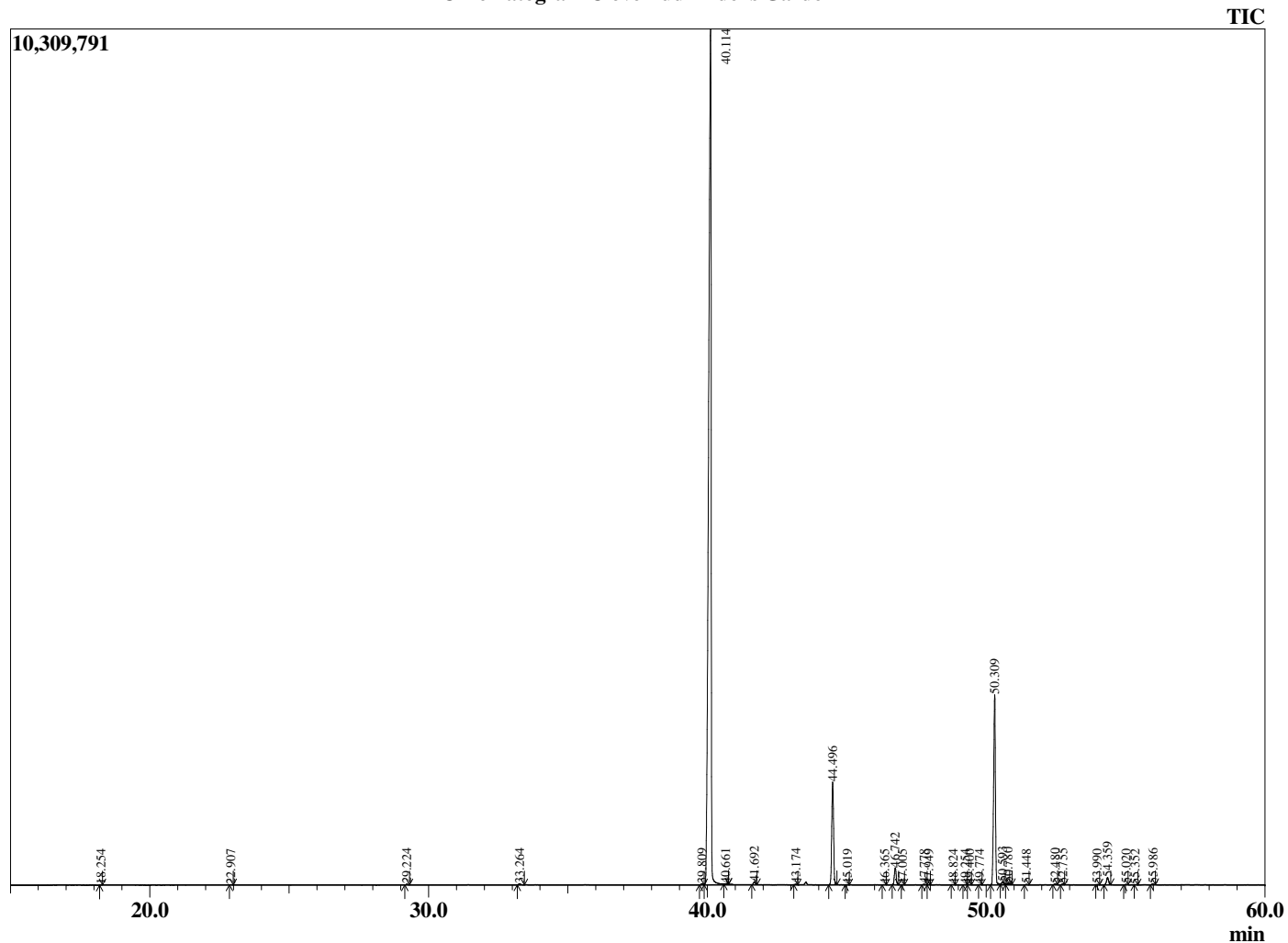


Peak Report TIC

| R.Time | Name | Area% |
|--------|-------------------------------|--------|
| 18.254 | Limonene | 0.01 |
| 22.907 | Linalool | 0.02 |
| 29.224 | Methyl salicylate | 0.05 |
| 33.264 | Chavicol | 0.08 |
| 39.809 | alpha-Cubebene | 0.08 |
| 40.114 | Eugenol | 77.95 |
| 40.661 | Unidentified | 0.02 |
| 41.692 | alpha-Copaene | 0.19 |
| 43.174 | Methyleugenol | 0.03 |
| 44.496 | beta-Caryophyllene | 6.75 |
| 45.019 | Unidentified | 0.01 |
| 46.365 | Humulen-(v1) | 0.02 |
| 46.742 | alpha-Humulene | 1.11 |
| 47.005 | Unidentified | 0.01 |
| 47.778 | 10-beta-H-Cadina-1(6),4-diene | 0.04 |
| 47.949 | trans-Cadina-1(6),4-diene | 0.01 |
| 48.824 | beta-Selinene | 0.02 |
| 49.254 | Unidentified | 0.02 |
| 49.400 | alpha-Murolene | 0.01 |
| 49.774 | (E,E)-alpha-Farnesene | 0.02 |
| 50.309 | Eugenyl acetate | 12.50 |
| 50.593 | delta-Cadinene | 0.17 |
| 50.780 | cis-Calamenene | 0.09 |
| 51.448 | trans-Cadine-1,4-diene | 0.03 |
| 52.480 | Unidentified | 0.05 |
| 52.755 | Unidentified | 0.05 |
| 53.990 | Caryophyllene alcohol | 0.02 |
| 54.359 | Caryophyllene oxide | 0.54 |
| 55.020 | Unidentified | 0.03 |
| 55.352 | Unidentified | 0.01 |
| 55.986 | Humulene epoxide II | 0.05 |
| | | 100.00 |

This report is not valid after 1 year of the report date.

Chromatogram Clove Bud - Edens Garden



Comments:

The analysis of this Clove Bud batch sample meets the expected chemical profile for authentic essential oil of *Eugenia caryophyllata*. No contamination or adulteration was detected.