Supplementary Material

**Supplementary Table 1 |** Qualitative and quantitative information of twenty-six chromatographically pure standards and their calibration curves, R2 values, and linear ranges.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Compounds** | **Purity** | **CAS in Sigma** | **CAS** | **Density** | **Linear rang (mg/L)** | **Calibration curves** | **R2 value** |
| Isobutyl acetate | >99.8%(GC) | 94823-1ML-F | 110-19-0 | 0.867 g/mL at 25 °C | 0.004-0.54 | y = 3×108x - 1×106 | 0.9998 |
| 1-Butanol | 99.9%(GC) | 537993-100ML | 71-36-3 | 0.81 g/mL at 25 °C | 3.04-10.13 | y = 1×106x - 2×106 | 0.9774 |
| *cis*-3-hexen-1-ol | ≥98.0%(GC) | 91316-100MG | 928-96-1 | 0.848 g/mL at 25 °C | 1.06-3.71 | y = 1×107x + 8×106 | 0.9739 |
| Benzyl alcohol | 99.8%(GC) | 305197-100ML | 100-51-6 | 1.045 g/mL at 25 °C | 0.13-1.96 | y = 2×107x - 7×105 | 0.9900 |
| Butyl acetate | ≥97.0%(GC) | 73285-1ML | 123-86-4 | 0.88 g/mL at 25 °C | 0.06-1.65 | y = 5×107x + 1×106 | 0.9997 |
| Octyl acetate | 98.5%(GC) | 04622-1ML | 112-14-1 | 0.867 g/mL at 25 °C | 0.01-1.08 | y = 2×109x + 4×107 | 0.9989 |
| Ethyl isovalerate | 98.0%(GC) | 112283-100ML | 108-64-5 | 0.864 g/mL at 25 °C | 0.05-1.62 | y = 3×109x - 5×108 | 0.9278 |
| Ethyl heptanoate | 99.0%(GC) | 112364-100ML | 106-30-9 | 0.870 g/mL at 25 °C | 0.01-3.26 | y = 2×109x + 1×108 | 0.9907 |
| Methyl hexoate | ≥97.0%(GC) | 21599-1ML-F | 106-70-7 | 0.884 g/mL at 20 °C | 0.01-2.21 | y = 4×108x + 2×107 | 0.9747 |
| Isoamyl caproate | ≥97.0%(GC) | W207500-SAMPLE-K | 2198-61-0 | 0.860 g/mL at 25 °C | 0.11-5.38 | y = 1×109x + 1×109 | 0.9515 |
| Isoamyl octanoate | 98.0%(GC) | W208019-SAMPLE | 2035-99-6 | 0.861 g/mL at 25 °C | 0.01-2.15 | y = 1×109x + 2×108 | 0.9745 |
| Hexanol | ≥99.9%(GC) | 73117-1ML-F | 111-27-3 | 0.814 g/mL at 25 °C | 0.01-1.53 | y = 4×107x + 2×106 | 0.9982 |
| Hexanoic acid | ≥99.0%(GC) | 21529-5ML | 142-62-1 | 0.927 g/mL at 25 °C | 0.29-4.64 | y = 5×106x + 1×106 | 0.9938 |
| Isovaleric acid | ≥98.5%(GC) | 78651-1ML | 503-74-2 | 0.925 g/mL at 20 °C | 0.58-5.78 | y = 2×106x + 1×106 | 0.9589 |
| Decanoic acid | 99.5%(GC) | 21409-5G | 334-48-5 | 0.893 g/mL at 25 °C | 1.31-5.23 | y = 2×106x + 2×106 | 0.9995 |
| Octanoic acid | 99.5%(GC) | 21639-5ML | 124-07-2 | 0.910 g/mL at 25 °C | 0.11-3.41 | y = 5×106x + 8×105 | 0.9731 |
| Ethyl acetate | 99.8%(GC) | 270989-100ML | 141-78-6 | 0.902 g/mL at 25 °C | 1.13-7.89 | y = 2×106x - 1×106 | 0.9508 |
| Ethyl butyrate | 99.0%(GC) | E15701-500ML | 105-54-4 | 0.875 g/mL at 25 °C | 0.02-2.19 | y = 6×107x + 3×106 | 0.9970 |
| Ethyl decanoate | 99.0%(GC) | 148970-100ML | 110-38-3 | 0.862 g/mL at 25 °C | 0.11-4.31 | y = 3×109x - 2×108 | 0.9880 |
| Phenethyl alcohol | 99.0%(GC) | 77861-250ML | 60-12-8 | 1.020 g/mL at 20°C | 0.26-15.30 | y = 3×107x + 2×107 | 0.9893 |
| Hexyl acetate | 99.0%(GC) | 108154-25ML | 142-92-7 | 0.870 g/mL at 25 °C | 0.05-3.26 | y = 6×108x - 7×107 | 0.9212 |
| Phenethyl acetate | 97.0%(GC) | W285706-SAMPLE-K | 103-45-7 | 1.032 g/mL at 25 °C | 0.01-1.94 | y = 5×108x + 5×106 | 0.9932 |
| Citronellol | 95.0%(GC) | W230901-SAMPLE-K | 106-22-9 | 0.855 g/mL at 25 °C | 0.11-2.14 | y = 3×106x + 1×106 | 0.9963 |
| Damascenone | ≥90.0%(GC) | 30395-1ML | 23726-91-2 | 0.934 g/mL at 20 °C | 0.06-3.50 | y = 3×107x + 2×106 | 0.9994 |
| Farnesol | ≥97.0%(GC) | 43348-1ML | 4602-84-0 | 0.886 g/mL at 20 °C | 0.44-4.43 | y = 3×107x + 5×106 | 0.9515 |
| Benzaldehyde | ≥99.5%(GC) | 418099 | 100-52-7 | 1.045 g/mL at 20 °C | 0.01-1.31 | y = 4×108x + 1×107 | 0.9989 |
| 2-octanol | 99.5%(GC) | 74858-25mL | 123-96-6 | 0.819 g/mL at 20 °C | / | / | / |