Table S5 Volatile component of acids in 9 varieties of muskmelon

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Compound Name | Component RT | Formula | CAS | Relative content/% | | | | | | | | |
| GTMB | XZM-1 | ZZX | NSM | HMC | BPC | XZM-25 | JX | 20-123 |
| Formic acid | 2.51 | CH2O2 | 64-18-6 | 5.31 |  |  |  |  |  |  |  | 3.02 |
| Acetic acid | 2.97 | C2H4O2 | 64-19-7 | 8.55 | 1.21 | 2.69 | 0.33 | 1.31 |  |  | 20.53 | 6.17 |
| 4-hydroxy-Butanoic acid | 9.93 | C4H8O3 | 591-81-1 | 0.49 | 0.13 |  |  |  |  |  |  |  |
| hydroxy-Acetic acid | 10.06 | C2H4O3 | 79-14-1 | 13.90 |  |  |  |  |  |  |  |  |
| Butanoic acid, anhydride | 11.84 | C8H14O3 | 106-31-0 |  | 0.33 |  |  |  |  |  |  |  |
| Propanoic acid, anhydride | 13.93 | C6H10O3 | 123-62-6 |  |  |  |  |  | 1.42 |  |  |  |
| 2-Methylbutanoic anhydride | 17.74 | C10H18O3 | 1468-39-9 |  |  |  |  | 4.19 |  |  |  |  |
| (+)-Dibenzoyl-L-tartaric acid anhydride | 17.98 | C18H12O7 | 64339-95-3 |  |  |  |  |  |  | 1.77 | 0.91 |  |
| Benzoic acid | 18.24 | C7H6O2 | 65-85-0 | 0.44 |  | 0.16 |  |  |  | 1.76 |  |  |
| 6-(1,1-dimethylethyl)-2,3-dihydro-1,1-d  imethyl-1H-Indene-4-acetic acid | 32.16 | C17H24O2 | 55591-05-4 | 1.58 |  |  |  |  |  |  |  |  |
| Tetradecanoic acid | 33.25 | C14H28O2 | 544-63-8 |  |  |  |  |  |  |  |  | 0.09 |
| n-Hexadecanoic acid | 37.35 | C16H32O2 | 57-10-3 |  |  |  |  |  | 0.07 | 0.16 | 0.16 | 0.33 |