# Response Factor Report MSVOA_V

Method Path : Z:\voasrv\HPCHEM1\MSVOA_V\Method\
Method File : SFAMVLM050321WMA.M
Title : VOC Analysis
Last Update : Mon May 03 18:53:57 2021
Response Via : Initial Calibration

Calibration Files
5 =VV021233.D 10 =VV021234.D 50 =VV021235.D 100 =VV021236.D 200 =VV021237.D

| | | Compound | 5 | 10 | 50 | 100 | 200 | Avg | %RSD |
|---|---|---|---|---|---|---|---|---|---|
| 1) | I | 1,4-Difluorobenzene | ----------ISTD---------- | | | | | | |
| 2) | T | Dichlorodifluoro... | 0.406 | 0.443 | 0.379 | 0.407 | 0.383 | 0.404 | 6.33 |
| 3) | T | Chloromethane | 0.242 | 0.249 | 0.239 | 0.250 | 0.233 | 0.243 | 2.94 |
| 4) | S | Vinyl Chloride-d3 | 0.215 | 0.219 | 0.224 | 0.227 | 0.224 | 0.222 | 2.21 |
| 5) | T | Vinyl chloride | 0.319 | 0.315 | 0.291 | 0.300 | 0.288 | 0.302 | 4.60 |
| 6) | T | Bromomethane | 0.230 | 0.251 | 0.229 | 0.249 | 0.231 | 0.238 | 4.55 |
| 7) | S | Chloroethane-d5 | 0.194 | 0.204 | 0.196 | 0.203 | 0.195 | 0.198 | 2.49 |
| 8) | T | Chloroethane | 0.201 | 0.195 | 0.192 | 0.205 | 0.185 | 0.195 | 3.96 |
| 9) | T | Trichlorofluorom... | 0.816 | 0.860 | 0.760 | 0.797 | 0.734 | 0.793 | 6.18 |
| 10) | T | 1,1,2-Trichloro-... | 0.351 | 0.377 | 0.335 | 0.358 | 0.330 | 0.350 | 5.43 |
| 11) | S | 1,1-Dichloroethe... | 0.646 | 0.635 | 0.605 | 0.609 | 0.598 | 0.619 | 3.36 |
| 12) | T | 1,1-Dichloroethene | 0.296 | 0.342 | 0.299 | 0.325 | 0.303 | 0.313 | 6.34 |
| 13) | T | Acetone | 0.263 | 0.194 | 0.200 | 0.214 | 0.181 | 0.210 | 15.17 |
| 14) | T | Carbon disulfide | 0.807 | 0.792 | 0.761 | 0.805 | 0.762 | 0.785 | 2.89 |
| 15) | T | Methyl Acetate | 0.246 | 0.257 | 0.251 | 0.259 | 0.257 | 0.254 | 2.18 |
| 16) | T | Methylene chloride | 0.332 | 0.337 | 0.310 | 0.323 | 0.302 | 0.321 | 4.52 |
| 17) | T | trans-1,2-Dichlo... | 0.329 | 0.303 | 0.300 | 0.327 | 0.308 | 0.313 | 4.39 |
| 18) | T | Methyl tert-buty... | 1.047 | 1.131 | 1.106 | 1.207 | 1.128 | 1.124 | 5.12 |
| 19) | T | 1,1-Dichloroethane | 0.537 | 0.563 | 0.526 | 0.560 | 0.529 | 0.543 | 3.21 |
| 20) | T | cis-1,2-Dichloro... | 0.337 | 0.346 | 0.337 | 0.357 | 0.346 | 0.345 | 2.42 |
| 21) | S | 2-Butanone-d5 | 0.159 | 0.165 | 0.182 | 0.192 | 0.192 | 0.178 | 8.56 |
| 22) | T | 2-Butanone | 0.192 | 0.200 | 0.189 | 0.221 | 0.202 | 0.201 | 6.19 |
| 23) | T | Bromochloromethane | 0.181 | 0.197 | 0.200 | 0.212 | 0.197 | 0.197 | 5.66 |
| 24) | S | Chloroform-d | 0.689 | 0.697 | 0.724 | 0.722 | 0.699 | 0.706 | 2.26 |
| 25) | T | Chloroform | 0.722 | 0.738 | 0.700 | 0.733 | 0.684 | 0.715 | 3.20 |
| 26) | S | 1,2-Dichloroetha... | 0.505 | 0.521 | 0.538 | 0.549 | 0.530 | 0.528 | 3.16 |
| 27) | T | 1,2-Dichloroethane | 0.627 | 0.669 | 0.646 | 0.677 | 0.641 | 0.652 | 3.17 |
| 28) | I | Chlorobenzene-d5 | ----------ISTD---------- | | | | | | |
| 29) | T | Cyclohexane | 0.426 | 0.417 | 0.415 | 0.438 | 0.406 | 0.420 | 2.88 |
| 30) | T | 1,1,1-Trichloroe... | 0.781 | 0.807 | 0.776 | 0.806 | 0.737 | 0.781 | 3.70 |
| 31) | T | Carbon tetrachlo... | 0.744 | 0.754 | 0.703 | 0.743 | 0.689 | 0.726 | 3.97 |
| 32) | S | Benzene-d6 | 1.088 | 1.134 | 1.192 | 1.207 | 1.136 | 1.152 | 4.19 |
| 33) | T | Benzene | 1.304 | 1.315 | 1.258 | 1.313 | 1.207 | 1.279 | 3.65 |
| 34) | T | Trichloroethene | 0.444 | 0.436 | 0.384 | 0.414 | 0.380 | 0.412 | 7.14 |
| 35) | T | Methylcyclohexane | 0.517 | 0.544 | 0.536 | 0.566 | 0.525 | 0.538 | 3.50 |
| 36) | S | 1,2-Dichloroprop... | 0.286 | 0.301 | 0.299 | 0.302 | 0.292 | 0.296 | 2.28 |
| 37) | T | 1,2-Dichloropropane | 0.281 | 0.267 | 0.252 | 0.288 | 0.263 | 0.270 | 5.40 |
| 38) | T | Bromodichloromet... | 0.572 | 0.595 | 0.550 | 0.591 | 0.558 | 0.573 | 3.41 |
| 39) | T | cis-1,3-Dichloro... | 0.454 | 0.514 | 0.531 | 0.585 | 0.552 | 0.527 | 9.23 |
| 40) | T | 4-Methyl-2-penta... | 0.338 | 0.377 | 0.385 | 0.416 | 0.397 | 0.383 | 7.61 |
| 41) | S | Toluene-d8 | 1.127 | 1.150 | 1.232 | 1.264 | 1.193 | 1.193 | 4.74 |
| 42) | T | Toluene | 1.398 | 1.551 | 1.463 | 1.587 | 1.454 | 1.491 | 5.17 |
| 43) | S | trans-1,3-Dichlo... | 0.197 | 0.208 | 0.224 | 0.232 | 0.239 | 0.220 | 7.89 |
| 44) | T | trans-1,3-Dichlo... | 0.486 | 0.532 | 0.581 | 0.654 | 0.622 | 0.575 | 11.76 |
| 45) | T | 1,1,2-Trichloroe... | 0.344 | 0.355 | 0.337 | 0.363 | 0.334 | 0.347 | 3.50 |
| 46) | T | Tetrachloroethene | 0.373 | 0.354 | 0.345 | 0.363 | 0.334 | 0.354 | 4.24 |
| 47) | S | 2-Hexanone-d5 | 0.097 | 0.120 | 0.147 | 0.159 | 0.160 | 0.137 | 20.24 |
| 48) | T | 2-Hexanone | 0.256 | 0.280 | 0.321 | 0.348 | 0.331 | 0.307 | 12.34 |
| 49) | T | Dibromochloromet... | 0.491 | 0.476 | 0.479 | 0.519 | 0.492 | 0.492 | 3.46 |
| 50) | T | 1,2-Dibromoethane | 0.398 | 0.381 | 0.384 | 0.404 | 0.384 | 0.390 | 2.62 |
| 51) | T | Chlorobenzene | 1.029 | 1.017 | 1.006 | 1.091 | 1.010 | 1.031 | 3.37 |
| 52) | T | Ethylbenzene | 1.623 | 1.679 | 1.715 | 1.857 | 1.738 | 1.722 | 5.04 |
| 53) | T | m,p-Xylene | 0.632 | 0.686 | 0.672 | 0.717 | 0.674 | 0.676 | 4.55 |
| 54) | T | o-Xylene | 0.582 | 0.646 | 0.656 | 0.711 | 0.664 | 0.652 | 7.12 |
| 55) | T | Styrene | 0.963 | 1.054 | 1.119 | 1.238 | 1.174 | 1.110 | 9.60 |
| 56) | S | 1,1,2,2-Tetrachl... | 0.452 | 0.432 | 0.477 | 0.506 | 0.499 | 0.473 | 6.57 |

Method Path : Z:\voasrv\HPCHEM1\MSVOA_V\Method\
Method File : SFAMVLM050321WMA.M

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 57) | T | 1,1,2,2-Tetrachl... | 0.442 | 0.458 | 0.445 | 0.511 | 0.487 | 0.468 | 6.31 |
| 58) | I | 1,4-Dichlorobenzen... | ----------ISTD---------- | | | | | | |
| 59) | T | Bromoform | 0.674 | 0.694 | 0.640 | 0.684 | 0.654 | 0.669 | 3.31 |
| 60) | | Isopropylbenzene | 3.089 | 3.341 | 3.135 | 3.361 | 3.047 | 3.195 | 4.58 |
| 61) | | 1,2,3-Trichlorop... | 0.890 | 0.848 | 0.786 | 0.813 | 0.751 | 0.818 | 6.59 |
| 62) | | 1,3,5-Trimethylb... | 2.572 | 2.795 | 2.831 | 3.010 | 2.781 | 2.798 | 5.59 |
| 63) | | 1,2,4-Trimethylb... | 2.530 | 2.821 | 2.832 | 3.049 | 2.809 | 2.808 | 6.57 |
| 64) | T | 1,3-Dichlorobenzene | 1.579 | 1.550 | 1.527 | 1.596 | 1.504 | 1.551 | 2.39 |
| 65) | T | 1,4-Dichlorobenzene | 1.648 | 1.657 | 1.503 | 1.613 | 1.520 | 1.588 | 4.53 |
| 66) | S | 1,2-Dichlorobenz... | 0.974 | 1.002 | 0.980 | 0.992 | 0.979 | 0.985 | 1.19 |
| 67) | T | 1,2-Dichlorobenzene | 1.531 | 1.619 | 1.551 | 1.631 | 1.503 | 1.567 | 3.56 |
| 68) | T | 1,2-Dibromo-3-ch... | 0.252 | 0.262 | 0.289 | 0.314 | 0.305 | 0.284 | 9.49 |
| 69) | | 1,3,5-Trichlorob... | 1.123 | 1.205 | 1.192 | 1.272 | 1.216 | 1.201 | 4.46 |
| 70) | T | 1,2,4-trichlorob... | 0.736 | 0.911 | 1.009 | 1.142 | 1.092 | 0.978 | 16.48 |
| 71) | | Naphthalene | 1.726 | 2.180 | 2.848 | 3.392 | 3.285 | 2.686 | 26.73 |
| 72) | T | 1,2,3-Trichlorob... | 0.800 | 0.924 | 1.018 | 1.133 | 1.074 | 0.990 | 13.26 |

(#) = Out of Range