# Response Factor Report MSVOA_X

Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
Method File : SFAMXLM022621WMA.M
Title : VOC Analysis
Last Update : Fri Feb 26 12:33:14 2021
Response Via : Initial Calibration

Calibration Files
5 =VX020920.D 10 =VX020921.D 50 =VX020922.D 100 =VX020923.D 200 =VX020924.D

| | | Compound | 5 | 10 | 50 | 100 | 200 | Avg | %RSD |
|---|---|---|---|---|---|---|---|---|---|
| 1) | I | 1,4-Difluorobenzene | ----------ISTD---------- | | | | | | |
| 2) | T | Dichlorodifluoro... | 0.389 | 0.371 | 0.366 | 0.375 | 0.382 | 0.376 | 2.37 |
| 3) | T | Chloromethane | 0.341 | 0.335 | 0.328 | 0.336 | 0.348 | 0.337 | 2.20 |
| 4) | S | Vinyl Chloride-d3 | 0.292 | 0.306 | 0.366 | 0.356 | 0.359 | 0.336 | 10.13 |
| 5) | T | Vinyl chloride | 0.402 | 0.386 | 0.393 | 0.404 | 0.407 | 0.398 | 2.16 |
| 6) | T | Bromomethane | 0.236 | 0.234 | 0.200 | 0.139 | 0.133 | 0.189 | 26.59 |
| 7) | S | Chloroethane-d5 | 0.247 | 0.247 | 0.308 | 0.298 | 0.295 | 0.279 | 10.56 |
| 8) | T | Chloroethane | 0.253 | 0.247 | 0.240 | 0.250 | 0.254 | 0.249 | 2.22 |
| 9) | T | Trichlorofluorom... | 0.533 | 0.506 | 0.511 | 0.516 | 0.533 | 0.520 | 2.41 |
| 10) | T | 1,1,2-Trichloro-... | 0.352 | 0.334 | 0.337 | 0.340 | 0.358 | 0.344 | 2.90 |
| 11) | S | 1,1-Dichloroethe... | 0.565 | 0.580 | 0.675 | 0.669 | 0.685 | 0.635 | 9.03 |
| 12) | T | 1,1-Dichloroethene | 0.332 | 0.323 | 0.328 | 0.341 | 0.350 | 0.335 | 3.18 |
| 13) | T | Acetone | 0.209 | 0.163 | 0.163 | 0.175 | 0.162 | 0.174 | 11.55 |
| 14) | T | Carbon disulfide | 1.023 | 0.962 | 0.941 | 0.949 | 0.981 | 0.971 | 3.36 |
| 15) | T | Methyl Acetate | 0.343 | 0.302 | 0.317 | 0.336 | 0.345 | 0.328 | 5.68 |
| 16) | T | Methylene chloride | 0.384 | 0.368 | 0.363 | 0.374 | 0.380 | 0.374 | 2.31 |
| 17) | T | trans-1,2-Dichlo... | 0.374 | 0.351 | 0.349 | 0.355 | 0.366 | 0.359 | 2.96 |
| 18) | T | Methyl tert-buty... | 1.176 | 1.157 | 1.150 | 1.190 | 1.210 | 1.176 | 2.09 |
| 19) | T | 1,1-Dichloroethane | 0.631 | 0.612 | 0.611 | 0.634 | 0.654 | 0.628 | 2.82 |
| 20) | T | cis-1,2-Dichloro... | 0.397 | 0.388 | 0.395 | 0.409 | 0.415 | 0.401 | 2.69 |
| 21) | S | 2-Butanone-d5 | 0.166 | 0.169 | 0.225 | 0.230 | 0.235 | 0.205 | 16.64 |
| 22) | T | 2-Butanone | 0.266 | 0.229 | 0.241 | 0.253 | 0.249 | 0.247 | 5.59 |
| 23) | T | Bromochloromethane | 0.204 | 0.196 | 0.193 | 0.196 | 0.204 | 0.199 | 2.53 |
| 24) | S | Chloroform-d | 0.516 | 0.546 | 0.694 | 0.685 | 0.705 | 0.629 | 14.40 |
| 25) | T | Chloroform | 0.675 | 0.676 | 0.650 | 0.668 | 0.685 | 0.671 | 1.95 |
| 26) | S | 1,2-Dichloroetha... | 0.365 | 0.360 | 0.438 | 0.428 | 0.440 | 0.406 | 9.93 |
| 27) | T | 1,2-Dichloroethane | 0.499 | 0.484 | 0.483 | 0.496 | 0.504 | 0.493 | 1.93 |
| 28) | I | Chlorobenzene-d5 | ----------ISTD---------- | | | | | | |
| 29) | T | Cyclohexane | 0.647 | 0.610 | 0.622 | 0.650 | 0.639 | 0.634 | 2.69 |
| 30) | T | 1,1,1-Trichloroe... | 0.644 | 0.618 | 0.630 | 0.663 | 0.653 | 0.641 | 2.80 |
| 31) | T | Carbon tetrachlo... | 0.522 | 0.511 | 0.524 | 0.551 | 0.550 | 0.532 | 3.34 |
| 32) | S | Benzene-d6 | 1.252 | 1.316 | 1.634 | 1.606 | 1.588 | 1.479 | 12.19 |
| 33) | T | Benzene | 1.612 | 1.585 | 1.634 | 1.686 | 1.660 | 1.636 | 2.41 |
| 34) | T | Trichloroethene | 0.447 | 0.414 | 0.426 | 0.445 | 0.442 | 0.435 | 3.27 |
| 35) | T | Methylcyclohexane | 0.674 | 0.634 | 0.664 | 0.677 | 0.682 | 0.666 | 2.88 |
| 36) | S | 1,2-Dichloroprop... | 0.389 | 0.407 | 0.499 | 0.498 | 0.488 | 0.456 | 11.78 |
| 37) | T | 1,2-Dichloropropane | 0.411 | 0.398 | 0.407 | 0.417 | 0.415 | 0.410 | 1.86 |
| 38) | T | Bromodichloromet... | 0.560 | 0.544 | 0.565 | 0.592 | 0.582 | 0.569 | 3.28 |
| 39) | T | cis-1,3-Dichloro... | 0.633 | 0.637 | 0.676 | 0.705 | 0.705 | 0.671 | 5.25 |
| 40) | T | 4-Methyl-2-penta... | 0.489 | 0.468 | 0.501 | 0.530 | 0.519 | 0.501 | 4.90 |
| 41) | S | Toluene-d8 | 1.131 | 1.173 | 1.471 | 1.441 | 1.423 | 1.328 | 12.19 |
| 42) | T | Toluene | 1.703 | 1.622 | 1.700 | 1.764 | 1.726 | 1.703 | 3.06 |
| 43) | S | trans-1,3-Dichlo... | 0.190 | 0.203 | 0.263 | 0.268 | 0.264 | 0.238 | 15.94 |
| 44) | T | trans-1,3-Dichlo... | 0.621 | 0.594 | 0.635 | 0.679 | 0.676 | 0.641 | 5.67 |
| 45) | T | 1,1,2-Trichloroe... | 0.415 | 0.396 | 0.402 | 0.415 | 0.407 | 0.407 | 2.02 |
| 46) | T | Tetrachloroethene | 0.316 | 0.299 | 0.297 | 0.332 | 0.311 | 0.311 | 4.53 |
| 47) | S | 2-Hexanone-d5 | 0.148 | 0.150 | 0.204 | 0.211 | 0.212 | 0.185 | 17.74 |
| 48) | T | 2-Hexanone | 0.388 | 0.353 | 0.376 | 0.403 | 0.392 | 0.382 | 5.02 |
| 49) | T | Dibromochloromet... | 0.412 | 0.412 | 0.424 | 0.454 | 0.448 | 0.430 | 4.68 |
| 50) | T | 1,2-Dibromoethane | 0.418 | 0.405 | 0.429 | 0.438 | 0.428 | 0.424 | 3.01 |
| 51) | T | Chlorobenzene | 1.086 | 1.025 | 1.061 | 1.120 | 1.090 | 1.077 | 3.28 |
| 52) | T | Ethylbenzene | 1.859 | 1.814 | 1.838 | 1.944 | 1.904 | 1.872 | 2.78 |
| 53) | T | m,p-Xylene | 0.692 | 0.692 | 0.705 | 0.708 | 0.734 | 0.706 | 2.44 |
| 54) | T | o-Xylene | 0.675 | 0.667 | 0.681 | 0.711 | 0.706 | 0.688 | 2.83 |
| 55) | T | Styrene | 1.154 | 1.126 | 1.186 | 1.275 | 1.241 | 1.196 | 5.13 |
| 56) | S | 1,1,2,2-Tetrachl... | 0.454 | 0.488 | 0.635 | 0.633 | 0.622 | 0.566 | 15.54 |

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|---|---|---|---|---|---|---|---|---|---|
| 57) | T | 1,1,2,2-Tetrachl... | 0.579 | 0.552 | 0.577 | 0.608 | 0.603 | 0.584 | 3.89 |
| 58) | I | 1,4-Dichlorobenzen... | ----------ISTD---------- | | | | | | |
| 59) | T | Bromoform | 0.618 | 0.590 | 0.641 | 0.662 | 0.645 | 0.631 | 4.45 |
| 60) | | Isopropylbenzene | 3.893 | 3.824 | 3.882 | 3.805 | 3.769 | 3.835 | 1.36 |
| 61) | | 1,2,3-Trichlorop... | 1.043 | 0.969 | 1.011 | 0.994 | 1.001 | 1.004 | 2.69 |
| 62) | | 1,3,5-Trimethylb... | 3.171 | 3.062 | 3.213 | 3.074 | 3.172 | 3.138 | 2.12 |
| 63) | | 1,2,4-Trimethylb... | 3.112 | 3.076 | 3.194 | 3.200 | 3.211 | 3.159 | 1.92 |
| 64) | T | 1,3-Dichlorobenzene | 1.735 | 1.573 | 1.597 | 1.577 | 1.718 | 1.640 | 4.86 |
| 65) | T | 1,4-Dichlorobenzene | 1.715 | 1.541 | 1.635 | 1.641 | 1.681 | 1.643 | 3.98 |
| 66) | S | 1,2-Dichlorobenz... | 0.786 | 0.837 | 1.050 | 1.044 | 1.069 | 0.957 | 14.07 |
| 67) | T | 1,2-Dichlorobenzene | 1.622 | 1.561 | 1.650 | 1.636 | 1.629 | 1.620 | 2.12 |
| 68) | T | 1,2-Dibromo-3-ch... | 0.271 | 0.259 | 0.274 | 0.282 | 0.294 | 0.276 | 4.75 |
| 69) | | 1,3,5-Trichlorob... | 1.081 | 1.076 | 1.082 | 1.158 | 1.184 | 1.116 | 4.58 |
| 70) | T | 1,2,4-trichlorob... | 0.964 | 0.879 | 1.018 | 0.992 | 1.083 | 0.987 | 7.59 |
| 71) | | Naphthalene | 3.173 | 3.218 | 3.701 | 3.828 | 3.966 | 3.577 | 10.10 |
| 72) | T | 1,2,3-Trichlorob... | 0.971 | 0.904 | 1.033 | 1.045 | 1.064 | 1.004 | 6.53 |

(#) = Out of Range