# Response Factor Report MSVOA_V

Method Path : Z:\voasrv\HPCHEM1\MSVOA_V\Method\
Method File : SOMVLM020521WMA.M
Title : VOC Analysis
Last Update : Fri Feb 05 11:56:25 2021
Response Via : Initial Calibration

Calibration Files
5 =VV020267.D 10 =VV020268.D 50 =VV020269.D 100 =VV020270.D 200 =VV020271.D

| | | Compound | 5 | 10 | 50 | 100 | 200 | Avg | %RSD |
|---|---|---|---|---|---|---|---|---|---|
| 1) | I | 1,4-Difluorobenzene | ----------ISTD---------- | | | | | | |
| 2) | T | Dichlorodifluoro... | 0.435 | 0.443 | 0.456 | 0.456 | 0.433 | 0.445 | 2.49 |
| 3) | T | Chloromethane | 0.397 | 0.395 | 0.398 | 0.403 | 0.383 | 0.395 | 1.86 |
| 4) | S | Vinyl Chloride-d3 | 0.356 | 0.360 | 0.377 | 0.376 | 0.354 | 0.365 | 3.08 |
| 5) | T | Vinyl chloride | 0.410 | 0.424 | 0.436 | 0.439 | 0.418 | 0.426 | 2.87 |
| 6) | T | Bromomethane | 0.263 | 0.260 | 0.266 | 0.279 | 0.262 | 0.266 | 2.79 |
| 7) | S | Chloroethane-d5 | 0.300 | 0.295 | 0.311 | 0.306 | 0.283 | 0.299 | 3.66 |
| 8) | T | Chloroethane | 0.245 | 0.271 | 0.277 | 0.281 | 0.257 | 0.266 | 5.55 |
| 9) | T | Trichlorofluorom... | 0.574 | 0.611 | 0.608 | 0.615 | 0.615 | 0.605 | 2.86 |
| 10) | T | 1,1,2-Trichloro-... | 0.319 | 0.323 | 0.331 | 0.328 | 0.307 | 0.322 | 2.88 |
| 11) | S | 1,1-Dichloroethe... | 0.670 | 0.687 | 0.709 | 0.706 | 0.674 | 0.689 | 2.60 |
| 12) | T | 1,1-Dichloroethene | 0.302 | 0.305 | 0.315 | 0.324 | 0.305 | 0.310 | 2.88 |
| 13) | T | Acetone | 0.144 | 0.140 | 0.151 | 0.144 | 0.140 | 0.144 | 2.93 |
| 14) | T | Carbon disulfide | 0.879 | 0.886 | 0.932 | 0.957 | 0.917 | 0.914 | 3.55 |
| 15) | T | Methyl Acetate | 0.295 | 0.282 | 0.324 | 0.317 | 0.311 | 0.306 | 5.53 |
| 16) | T | Methylene chloride | 0.343 | 0.335 | 0.343 | 0.347 | 0.331 | 0.340 | 1.91 |
| 17) | T | trans-1,2-Dichlo... | 0.305 | 0.316 | 0.329 | 0.337 | 0.321 | 0.322 | 3.73 |
| 18) | T | Methyl tert-buty... | 0.898 | 0.922 | 1.001 | 1.042 | 1.019 | 0.977 | 6.47 |
| 19) | T | 1,1-Dichloroethane | 0.559 | 0.577 | 0.597 | 0.609 | 0.579 | 0.584 | 3.34 |
| 20) | T | cis-1,2-Dichloro... | 0.310 | 0.340 | 0.354 | 0.369 | 0.357 | 0.346 | 6.51 |
| 21) | S | 2-Butanone-d5 | 0.177 | 0.188 | 0.219 | 0.218 | 0.217 | 0.204 | 9.80 |
| 22) | T | 2-Butanone | 0.165 | 0.181 | 0.222 | 0.228 | 0.227 | 0.204 | 14.48 |
| 23) | T | Bromochloromethane | 0.176 | 0.182 | 0.192 | 0.196 | 0.189 | 0.187 | 4.47 |
| 24) | S | Chloroform-d | 0.633 | 0.637 | 0.660 | 0.672 | 0.642 | 0.649 | 2.52 |
| 25) | T | Chloroform | 0.593 | 0.613 | 0.608 | 0.634 | 0.609 | 0.612 | 2.41 |
| 26) | S | 1,2-Dichloroetha... | 0.399 | 0.405 | 0.421 | 0.424 | 0.408 | 0.411 | 2.64 |
| 27) | T | 1,2-Dichloroethane | 0.453 | 0.474 | 0.494 | 0.511 | 0.489 | 0.484 | 4.45 |
| 28) | I | Chlorobenzene-d5 | ----------ISTD---------- | | | | | | |
| 29) | T | Cyclohexane | 0.474 | 0.497 | 0.523 | 0.531 | 0.511 | 0.507 | 4.47 |
| 30) | T | 1,1,1-Trichloroe... | 0.531 | 0.546 | 0.564 | 0.579 | 0.556 | 0.555 | 3.31 |
| 31) | T | Carbon tetrachlo... | 0.466 | 0.475 | 0.483 | 0.505 | 0.485 | 0.483 | 2.99 |
| 32) | S | Benzene-d6 | 1.261 | 1.301 | 1.329 | 1.326 | 1.261 | 1.295 | 2.58 |
| 33) | T | Benzene | 1.255 | 1.356 | 1.371 | 1.390 | 1.314 | 1.337 | 4.02 |
| 34) | T | Trichloroethene | 0.365 | 0.372 | 0.368 | 0.374 | 0.358 | 0.367 | 1.79 |
| 35) | T | Methylcyclohexane | 0.522 | 0.539 | 0.578 | 0.580 | 0.563 | 0.556 | 4.55 |
| 36) | S | 1,2-Dichloroprop... | 0.368 | 0.384 | 0.393 | 0.403 | 0.386 | 0.387 | 3.29 |
| 37) | T | 1,2-Dichloropropane | 0.304 | 0.343 | 0.350 | 0.355 | 0.342 | 0.339 | 6.03 |
| 38) | T | Bromodichloromet... | 0.432 | 0.446 | 0.475 | 0.492 | 0.483 | 0.465 | 5.45 |
| 39) | T | cis-1,3-Dichloro... | 0.452 | 0.490 | 0.550 | 0.600 | 0.590 | 0.536 | 11.93 |
| 40) | T | 4-Methyl-2-penta... | 0.362 | 0.409 | 0.455 | 0.458 | 0.451 | 0.427 | 9.64 |
| 41) | S | Toluene-d8 | 1.122 | 1.186 | 1.279 | 1.279 | 1.221 | 1.217 | 5.45 |
| 42) | T | Toluene | 1.335 | 1.469 | 1.517 | 1.555 | 1.478 | 1.471 | 5.66 |
| 43) | S | trans-1,3-Dichlo... | 0.168 | 0.182 | 0.202 | 0.217 | 0.216 | 0.197 | 11.02 |
| 44) | T | trans-1,3-Dichlo... | 0.410 | 0.469 | 0.552 | 0.588 | 0.589 | 0.522 | 15.18 |
| 45) | T | 1,1,2-Trichloroe... | 0.332 | 0.348 | 0.352 | 0.362 | 0.348 | 0.349 | 3.11 |
| 46) | T | Tetrachloroethene | 0.285 | 0.299 | 0.306 | 0.311 | 0.300 | 0.300 | 3.23 |
| 47) | S | 2-Hexanone-d5 | 0.116 | 0.141 | 0.179 | 0.183 | 0.187 | 0.161 | 19.41 |
| 48) | T | 2-Hexanone | 0.260 | 0.304 | 0.357 | 0.358 | 0.353 | 0.327 | 13.25 |
| 49) | T | Dibromochloromet... | 0.330 | 0.360 | 0.398 | 0.417 | 0.417 | 0.385 | 9.89 |
| 50) | T | 1,2-Dibromoethane | 0.348 | 0.358 | 0.381 | 0.394 | 0.386 | 0.373 | 5.28 |
| 51) | T | Chlorobenzene | 0.956 | 0.982 | 0.996 | 1.019 | 0.979 | 0.987 | 2.34 |
| 52) | T | Ethylbenzene | 1.460 | 1.561 | 1.700 | 1.737 | 1.663 | 1.624 | 6.95 |
| 53) | T | m,p-Xylene | 0.553 | 0.587 | 0.641 | 0.666 | 0.645 | 0.618 | 7.57 |
| 54) | T | o-xylene | 0.537 | 0.566 | 0.623 | 0.656 | 0.628 | 0.602 | 8.16 |
| 55) | T | Styrene | 0.853 | 0.965 | 1.106 | 1.154 | 1.102 | 1.036 | 11.99 |
| 56) | T | Isopropylbenzene | 1.405 | 1.529 | 1.701 | 1.760 | 1.682 | 1.616 | 8.99 |

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Method File : SOMVLM020521WMA.M

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|---|---|---|---|---|---|---|---|---|---|
| 57) | S | 1,1,2,2-Tetrachl... | 0.511 | 0.537 | 0.580 | 0.582 | 0.566 | 0.555 | 5.51 |
| 58) | T | 1,1,2,2-Tetrachl... | 0.500 | 0.533 | 0.569 | 0.580 | 0.564 | 0.549 | 5.96 |
| 59) | MA | 1,2,3-Trichlorop... | 0.421 | 0.442 | 0.475 | 0.474 | 0.457 | 0.454 | 5.01 |
| 60) | I | 1,4-Dichlorobenzen... | ----------ISTD---------- | | | | | | |
| 61) | T | Bromoform | 0.427 | 0.471 | 0.523 | 0.557 | 0.566 | 0.509 | 11.61 |
| 62) | T | 1,3-Dichlorobenzene | 1.383 | 1.461 | 1.517 | 1.555 | 1.479 | 1.479 | 4.37 |
| 63) | T | 1,4-Dichlorobenzene | 1.474 | 1.506 | 1.543 | 1.564 | 1.496 | 1.517 | 2.42 |
| 64) | S | 1,2-Dichlorobenz... | 0.955 | 0.923 | 0.949 | 0.973 | 0.930 | 0.946 | 2.10 |
| 65) | T | 1,2-Dichlorobenzene | 1.404 | 1.473 | 1.507 | 1.538 | 1.461 | 1.477 | 3.42 |
| 66) | T | 1,2-Dibromo-3-ch... | 0.183 | 0.198 | 0.246 | 0.249 | 0.256 | 0.227 | 14.64 |
| 67) | MA | 1,3,5-Trichlorob... | 1.068 | 1.113 | 1.176 | 1.231 | 1.186 | 1.155 | 5.57 |
| 68) | T | 1,2,4-trichlorob... | 0.893 | 0.945 | 1.065 | 1.125 | 1.096 | 1.025 | 9.82 |
| 69) | MA | Naphthalene | 2.084 | 2.455 | 3.246 | 3.482 | 3.406 | 2.935 | 21.37 |
| 70) | T | 1,2,3-Trichlorob... | 0.878 | 0.952 | 1.068 | 1.126 | 1.077 | 1.020 | 9.98 |

(#) = Out of Range