# Response Factor Report MSVOA_W

Method Path : Z:\voasrv\HPCHEM1\MSVOA_W\Method\
Method File : 82W010721S.M
Title : SW846 8260
Last Update : Fri Jan 08 05:24:44 2021
Response Via : Initial Calibration

Calibration Files
10 =VW017796.D 5 =VW017795.D 20 =VW017797.D 50 =VW017798.D 100 =VW017799.D 150 =VW017800.D

| | | Compound | 10 | 5 | 20 | 50 | 100 | 150 | Avg | %RSD |
|---|---|---|---|---|---|---|---|---|---|---|
| 1) | I | Pentafluorobenzene | ----------ISTD---------- | | | | | | | |
| 2) | T | Dichlorodifluo... | 0.422 | 0.373 | 0.420 | 0.391 | 0.383 | 0.386 | 0.396 | 5.14 |
| 3) | P | Chloromethane | 0.503 | 0.507 | 0.414 | 0.362 | 0.388 | 0.391 | 0.427 | 14.56 |
| 4) | C | Vinyl Chloride | 0.743 | 0.745 | 0.690 | 0.629 | 0.632 | 0.624 | 0.677 | 8.42# |
| 5) | T | Bromomethane | 0.919 | 0.639 | 0.687 | 0.564 | 0.651 | 0.595 | 0.676 | 18.71 |
| 6) | T | Chloroethane | 0.549 | 0.469 | 0.495 | 0.431 | 0.436 | 0.427 | 0.468 | 10.15 |
| 7) | T | Trichlorofluor... | 0.523 | 0.455 | 0.505 | 0.490 | 0.484 | 0.521 | 0.496 | 5.20 |
| 8) | T | Diethyl Ether | 0.270 | 0.259 | 0.244 | 0.230 | 0.243 | 0.225 | 0.245 | 6.93 |
| 9) | T | 1,1,2-Trichlor... | 0.606 | 0.560 | 0.554 | 0.507 | 0.497 | 0.478 | 0.534 | 8.97 |
| 10) | T | Methyl Iodide | 0.804 | 0.747 | 0.730 | 0.702 | 0.708 | 0.712 | 0.734 | 5.21 |
| 11) | T | Tert butyl alc... | 0.036 | 0.040 | 0.039 | 0.027 | 0.028 | 0.030 | 0.033 | 17.09 |
| 12) | CM | 1,1-Dichloroet... | 0.577 | 0.549 | 0.541 | 0.501 | 0.503 | 0.492 | 0.527 | 6.36# |
| 13) | T | Acrolein | 0.042 | 0.037 | 0.045 | 0.037 | 0.038 | 0.036 | 0.039 | 8.49 |
| 14) | T | Allyl chloride | 0.760 | 0.793 | 0.750 | 0.718 | 0.715 | 0.693 | 0.738 | 4.91 |
| 15) | T | Acrylonitrile | 0.115 | 0.107 | 0.129 | 0.109 | 0.112 | 0.106 | 0.113 | 7.56 |
| 16) | T | Acetone | 0.106 | 0.104 | 0.120 | 0.109 | 0.108 | 0.097 | 0.107 | 6.86 |
| 17) | T | Carbon Disulfide | 1.701 | 1.545 | 1.588 | 1.497 | 1.468 | 1.466 | 1.544 | 5.83 |
| 18) | T | Methyl Acetate | 0.275 | 0.240 | 0.277 | 0.229 | 0.234 | 0.221 | 0.246 | 9.74 |
| 19) | T | Methyl tert-bu... | 0.792 | 0.752 | 0.771 | 0.687 | 0.670 | 0.623 | 0.716 | 9.17 |
| 20) | T | Methylene Chlo... | 0.772 | 0.876 | 0.626 | 0.575 | 0.543 | 0.526 | 0.653 | 21.55 |
| 21) | T | trans-1,2-Dich... | 0.706 | 0.641 | 0.641 | 0.592 | 0.590 | 0.592 | 0.627 | 7.27 |
| 22) | T | Diisopropyl ether | 1.694 | 1.532 | 1.522 | 1.448 | 1.477 | 1.338 | 1.502 | 7.80 |
| 23) | T | Vinyl Acetate | 0.997 | 0.842 | 1.042 | 0.932 | 0.983 | 0.905 | 0.950 | 7.54 |
| 24) | P | 1,1-Dichloroet... | 1.157 | 1.111 | 1.057 | 1.006 | 1.009 | 0.958 | 1.050 | 7.03 |
| 25) | T | 2-Butanone | 0.151 | 0.141 | 0.171 | 0.142 | 0.145 | 0.136 | 0.147 | 8.42 |
| 26) | T | 2,2-Dichloropr... | 0.657 | 0.651 | 0.616 | 0.582 | 0.582 | 0.554 | 0.607 | 6.85 |
| 27) | T | cis-1,2-Dichlo... | 0.709 | 0.696 | 0.655 | 0.636 | 0.649 | 0.624 | 0.662 | 5.08 |
| 28) | T | Bromochloromet... | 0.446 | 0.480 | 0.441 | 0.429 | 0.445 | 0.390 | 0.438 | 6.67 |
| 29) | T | Tetrahydrofuran | 0.096 | 0.087 | 0.111 | 0.087 | 0.093 | 0.086 | 0.093 | 10.26 |
| 30) | C | Chloroform | 1.238 | 1.199 | 1.120 | 1.074 | 1.108 | 1.028 | 1.128 | 6.92# |
| 31) | T | Cyclohexane | 1.144 | 1.149 | 1.052 | 0.920 | 0.912 | 0.863 | 1.007 | 12.44 |
| 32) | T | 1,1,1-Trichlor... | 1.010 | 0.957 | 0.927 | 0.895 | 0.923 | 0.872 | 0.931 | 5.23 |
| 33) | S | 1,2-Dichloroet... | 0.705 | 0.656 | 0.627 | 0.563 | 0.570 | 0.506 | 0.605 | 11.89 |
| 34) | I | 1,4-Difluorobenzene | ----------ISTD---------- | | | | | | | |
| 35) | S | Dibromofluorom... | 0.354 | 0.350 | 0.321 | 0.311 | 0.301 | 0.303 | 0.323 | 7.13 |
| 36) | T | 1,1-Dichloropr... | 0.566 | 0.532 | 0.542 | 0.518 | 0.491 | 0.501 | 0.525 | 5.22 |
| 37) | T | Ethyl Acetate | 0.209 | 0.199 | 0.234 | 0.199 | 0.185 | 0.189 | 0.202 | 8.63 |
| 38) | T | Carbon Tetrach... | 0.533 | 0.504 | 0.516 | 0.496 | 0.490 | 0.525 | 0.511 | 3.30 |
| 39) | T | Methylcyclohexane | 0.681 | 0.632 | 0.671 | 0.644 | 0.619 | 0.641 | 0.648 | 3.66 |
| 40) | TM | Benzene | 1.514 | 1.530 | 1.436 | 1.392 | 1.318 | 1.346 | 1.423 | 6.12 |
| 41) | T | Methacrylonitrile | 0.119 | 0.106 | 0.124 | 0.104 | 0.105 | 0.109 | 0.111 | 7.29 |
| 42) | TM | 1,2-Dichloroet... | 0.474 | 0.470 | 0.457 | 0.430 | 0.397 | 0.397 | 0.438 | 7.96 |
| 43) | T | Isopropyl Acetate | 0.361 | 0.328 | 0.413 | 0.357 | 0.357 | 0.365 | 0.364 | 7.55 |
| 44) | TM | Trichloroethene | 0.420 | 0.392 | 0.386 | 0.373 | 0.369 | 0.386 | 0.387 | 4.67 |
| 45) | C | 1,2-Dichloropr... | 0.361 | 0.372 | 0.338 | 0.333 | 0.313 | 0.314 | 0.339 | 7.13# |
| 46) | T | Dibromomethane | 0.211 | 0.206 | 0.200 | 0.195 | 0.189 | 0.187 | 0.198 | 4.81 |
| 47) | T | Bromodichlorom... | 0.501 | 0.477 | 0.484 | 0.486 | 0.468 | 0.470 | 0.481 | 2.57 |
| 48) | T | Methyl methacr... | 0.178 | 0.150 | 0.215 | 0.183 | 0.182 | 0.184 | 0.182 | 11.40 |
| 49) | T | 1,4-Dioxane | 0.002 | 0.002 | 0.003 | 0.002 | 0.002 | 0.002 | 0.002 | 9.02 |
| 50) | S | Toluene-d8 | 1.379 | 1.336 | 1.242 | 1.253 | 1.182 | 1.167 | 1.260 | 6.64 |
| 51) | T | 4-Methyl-2-Pen... | 0.182 | 0.172 | 0.219 | 0.183 | 0.180 | 0.182 | 0.186 | 8.78 |
| 52) | CM | Toluene | 0.975 | 0.934 | 0.930 | 0.975 | 0.898 | 0.908 | 0.937 | 3.46# |
| 53) | T | t-1,3-Dichloro... | 0.426 | 0.405 | 0.428 | 0.472 | 0.456 | 0.465 | 0.442 | 5.92 |
| 54) | T | cis-1,3-Dichlo... | 0.528 | 0.500 | 0.529 | 0.543 | 0.530 | 0.537 | 0.528 | 2.78 |
| 55) | T | 1,1,2-Trichlor... | 0.286 | 0.260 | 0.277 | 0.270 | 0.248 | 0.250 | 0.265 | 5.64 |
| 56) | T | Ethyl methacry... | 0.300 | 0.264 | 0.325 | 0.317 | 0.308 | 0.313 | 0.305 | 7.07 |

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Method File : 82W010721S.M

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|---|---|---|---|---|---|---|---|---|---|---|
| 57) | T | 1,3-Dichloropr... | 0.486 | 0.456 | 0.478 | 0.459 | 0.434 | 0.426 | 0.457 | 5.17 |
| 58) | T | 2-Chloroethyl ... | 0.155 | 0.140 | 0.159 | 0.158 | 0.144 | 0.139 | 0.149 | 6.00 |
| 59) | T | 2-Hexanone | 0.122 | 0.111 | 0.143 | 0.126 | 0.123 | 0.123 | 0.125 | 8.34 |
| 60) | T | Dibromochlorom... | 0.300 | 0.267 | 0.300 | 0.332 | 0.318 | 0.322 | 0.307 | 7.52 |
| 61) | T | 1,2-Dibromoethane | 0.269 | 0.255 | 0.270 | 0.257 | 0.254 | 0.254 | 0.260 | 2.92 |
| 62) | S | 4-Bromofluorob... | 0.484 | 0.467 | 0.435 | 0.459 | 0.420 | 0.411 | 0.446 | 6.40 |
| 63) | I | Chlorobenzene-d5 | ----------ISTD---------- | | | | | | | |
| 64) | T | Tetrachloroethene | 0.370 | 0.347 | 0.361 | 0.318 | 0.318 | 0.339 | 0.342 | 6.28 |
| 65) | PM | Chlorobenzene | 1.189 | 1.125 | 1.116 | 1.054 | 1.050 | 1.052 | 1.098 | 5.11 |
| 66) | T | 1,1,1,2-Tetrac... | 0.391 | 0.348 | 0.358 | 0.366 | 0.369 | 0.374 | 0.368 | 3.98 |
| 67) | C | Ethyl Benzene | 2.170 | 2.021 | 2.094 | 1.944 | 1.919 | 1.944 | 2.015 | 4.94# |
| 68) | T | m/p-Xylenes | 0.814 | 0.725 | 0.783 | 0.754 | 0.747 | 0.748 | 0.762 | 4.15 |
| 69) | T | o-Xylene | 0.761 | 0.663 | 0.714 | 0.703 | 0.689 | 0.690 | 0.703 | 4.70 |
| 70) | T | Styrene | 1.228 | 1.089 | 1.219 | 1.170 | 1.175 | 1.177 | 1.176 | 4.19 |
| 71) | P | Bromoform | 0.168 | 0.158 | 0.183 | 0.182 | 0.190 | 0.192 | 0.179 | 7.41 |
| 72) | I | 1,4-Dichlorobenzen... | ----------ISTD---------- | | | | | | | |
| 73) | T | Isopropylbenzene | 4.187 | 3.900 | 3.838 | 3.805 | 3.728 | 3.916 | 3.896 | 4.06 |
| 74) | T | N-amyl acetate | 0.698 | 0.604 | 0.732 | 0.633 | 0.688 | 0.721 | 0.680 | 7.42 |
| 75) | P | 1,1,2,2-Tetrac... | 0.705 | 0.677 | 0.724 | 0.607 | 0.627 | 0.633 | 0.662 | 7.10 |
| 76) | T | 1,2,3-Trichlor... | 0.477 | 0.449 | 0.578 | 0.479 | 0.403 | 0.407 | 0.466 | 13.77 |
| 77) | T | Bromobenzene | 0.891 | 0.912 | 0.815 | 0.807 | 0.812 | 0.856 | 0.849 | 5.29 |
| 78) | T | n-propylbenzene | 5.112 | 4.827 | 4.755 | 4.557 | 4.489 | 4.604 | 4.724 | 4.82 |
| 79) | T | 2-Chlorotoluene | 2.844 | 2.689 | 2.518 | 2.499 | 2.448 | 2.514 | 2.585 | 5.84 |
| 80) | T | 1,3,5-Trimethy... | 3.355 | 3.281 | 3.290 | 3.218 | 3.141 | 3.280 | 3.261 | 2.23 |
| 81) | T | trans-1,4-Dich... | 0.155 | 0.141 | 0.172 | 0.171 | 0.192 | 0.206 | 0.173 | 13.82 |
| 82) | T | 4-Chlorotoluene | 3.033 | 2.844 | 2.707 | 2.696 | 2.618 | 2.648 | 2.758 | 5.65 |
| 83) | T | tert-Butylbenzene | 2.940 | 2.682 | 2.833 | 2.764 | 2.746 | 2.889 | 2.809 | 3.43 |
| 84) | T | 1,2,4-Trimethy... | 3.566 | 3.349 | 3.321 | 3.259 | 3.128 | 3.241 | 3.311 | 4.43 |
| 85) | T | sec-Butylbenzene | 4.263 | 4.031 | 4.088 | 3.898 | 3.779 | 3.999 | 4.010 | 4.13 |
| 86) | T | p-Isopropyltol... | 3.855 | 3.572 | 3.679 | 3.623 | 3.472 | 3.682 | 3.647 | 3.52 |
| 87) | T | 1,3-Dichlorobe... | 1.873 | 1.738 | 1.698 | 1.629 | 1.639 | 1.673 | 1.708 | 5.27 |
| 88) | T | 1,4-Dichlorobe... | 1.869 | 1.795 | 1.713 | 1.643 | 1.558 | 1.630 | 1.702 | 6.76 |
| 89) | T | n-Butylbenzene | 3.932 | 3.608 | 3.638 | 3.530 | 3.326 | 3.503 | 3.590 | 5.57 |
| 90) | T | Hexachloroethane | 0.627 | 0.608 | 0.576 | 0.622 | 0.639 | 0.668 | 0.623 | 4.93 |
| 91) | T | 1,2-Dichlorobe... | 1.615 | 1.479 | 1.508 | 1.460 | 1.434 | 1.462 | 1.493 | 4.32 |
| 92) | T | 1,2-Dibromo-3-... | 0.118 | 0.107 | 0.124 | 0.099 | 0.105 | 0.113 | 0.111 | 8.03 |
| 93) | T | 1,2,4-Trichlor... | 1.042 | 0.977 | 0.973 | 0.945 | 0.918 | 1.010 | 0.977 | 4.54 |
| 94) | T | Hexachlorobuta... | 0.588 | 0.560 | 0.512 | 0.526 | 0.518 | 0.556 | 0.543 | 5.45 |
| 95) | T | Naphthalene | 1.903 | 1.670 | 2.019 | 1.867 | 1.881 | 2.050 | 1.899 | 7.11 |
| 96) | T | 1,2,3-Trichlor... | 0.885 | 0.868 | 0.844 | 0.816 | 0.801 | 0.872 | 0.848 | 3.95 |

(#) = Out of Range