

Method Path : Z:\VOASRV\HPCHEM1\MSV0A X\METHOD\  
 Method File : 82X052819W.M  
 Title : SW846 8260  
 Last Update : Wed May 29 04:00:56 2019  
 Response Via : Initial Calibration

## Calibration Files

1 =VX009910.D 5 =VX009904.D 20 =VX009905.D  
 50 =VX009906.D 100 =VX009907.D 150 =VX009908.D

|        | Compound            | 1              | 5     | 20    | 50    | 100   | 150   | Avq   | %RSD  |
|--------|---------------------|----------------|-------|-------|-------|-------|-------|-------|-------|
| 1) I   | Pentafluorobenzene  | -----ISTD----- |       |       |       |       |       |       |       |
| 2) T   | Dichlorodifluorom   | 0.547          | 0.500 | 0.667 | 0.678 | 0.677 | 0.596 | 0.611 | 12.39 |
| 3) P   | Chloromethane       | 0.924          | 0.762 | 0.795 | 0.795 | 0.792 | 0.860 | 0.821 | 7.27  |
| 4) C   | Vinyl Chloride      | 0.790          | 0.691 | 0.725 | 0.745 | 0.758 | 0.734 | 0.740 | 4.50# |
| 5) T   | Bromomethane        |                | 0.449 | 0.385 | 0.414 | 0.457 | 0.538 | 0.449 | 12.82 |
| 6) T   | Chloroethane        | 0.511          | 0.438 | 0.431 | 0.432 | 0.437 | 0.486 | 0.456 | 7.49  |
| 7) T   | Trichlorofluorome   | 0.900          | 0.783 | 0.812 | 0.827 | 0.828 | 0.760 | 0.818 | 5.88  |
| 8) T   | Diethyl Ether       | 0.434          | 0.389 | 0.354 | 0.359 | 0.365 | 0.405 | 0.385 | 8.16  |
| 9) T   | 1,1,2-Trichlorotr   | 0.588          | 0.500 | 0.476 | 0.488 | 0.482 | 0.430 | 0.494 | 10.49 |
| 10) T  | Methyl Iodide       |                | 0.378 | 0.490 | 0.601 | 0.620 | 0.665 | 0.551 | 21.09 |
| 11) T  | Tert butyl alcoho   |                | 0.185 | 0.165 | 0.164 | 0.166 | 0.189 | 0.174 | 6.88  |
| 12) CM | 1,1-Dichloroethen   | 0.568          | 0.496 | 0.485 | 0.495 | 0.505 | 0.489 | 0.506 | 6.06# |
| 13) T  | Acrolein            |                | 0.056 | 0.118 | 0.119 | 0.121 | 0.134 | 0.110 | 27.83 |
| 14) T  | Allyl chloride      | 1.247          | 1.205 | 1.155 | 1.215 | 1.239 | 1.324 | 1.231 | 4.54  |
| 15) T  | Acrylonitrile       | 0.462          | 0.412 | 0.383 | 0.394 | 0.404 | 0.458 | 0.419 | 7.95  |
| 16) T  | Acetone             | 0.438          | 0.385 | 0.397 | 0.389 | 0.395 | 0.444 | 0.408 | 6.41  |
| 17) T  | Carbon Disulfide    | 2.406          | 1.460 | 1.453 | 1.505 | 1.552 | 1.540 | 1.653 | 22.47 |
| 18) T  | Methyl Acetate      | 1.201          | 0.898 | 0.851 | 0.859 | 0.888 | 1.001 | 0.950 | 14.14 |
| 19) T  | Methyl tert-butyl   | 1.952          | 1.887 | 1.783 | 1.841 | 1.879 | 2.129 | 1.912 | 6.28  |
| 20) T  | Methylene Chlorid   | 0.718          | 0.625 | 0.571 | 0.585 | 0.590 | 0.660 | 0.625 | 8.93  |
| 21) T  | trans-1,2-Dichlor   | 0.698          | 0.551 | 0.516 | 0.522 | 0.534 | 0.561 | 0.563 | 12.04 |
| 22) T  | Diisopropyl ether   | 2.312          | 2.341 | 2.234 | 2.289 | 2.307 | 2.568 | 2.342 | 4.97  |
| 23) T  | Vinyl Acetate       | 2.027          | 2.019 | 1.992 | 2.073 | 2.117 | 2.394 | 2.104 | 7.08  |
| 24) P  | 1,1-Dichloroethan   | 1.199          | 1.137 | 1.071 | 1.099 | 1.106 | 1.198 | 1.135 | 4.70  |
| 25) T  | 2-Butanone          | 0.641          | 0.613 | 0.601 | 0.613 | 0.634 | 0.713 | 0.636 | 6.36  |
| 26) T  | 2,2-Dichloropropa   | 0.872          | 0.871 | 0.819 | 0.840 | 0.858 | 0.890 | 0.858 | 2.98  |
| 27) T  | cis-1,2-Dichloroe   | 0.795          | 0.626 | 0.584 | 0.600 | 0.617 | 0.680 | 0.650 | 11.99 |
| 28) T  | Bromochloromethan   | 0.752          | 0.595 | 0.512 | 0.542 | 0.544 | 0.589 | 0.589 | 14.55 |
| 29) T  | Tetrahydrofuran     | 0.415          | 0.393 | 0.385 | 0.391 | 0.405 | 0.457 | 0.408 | 6.51  |
| 30) C  | Chloroform          | 1.074          | 1.031 | 0.967 | 0.984 | 0.992 | 1.092 | 1.023 | 4.96# |
| 31) T  | Cyclohexane         |                | 1.095 | 1.065 | 1.110 | 1.111 | 0.993 | 1.075 | 4.58  |
| 32) T  | 1,1,1-Trichloroet   | 0.816          | 0.837 | 0.803 | 0.835 | 0.850 | 0.860 | 0.833 | 2.52  |
| 33) S  | 1,2-Dichloroethan   |                | 0.771 | 0.658 | 0.657 | 0.682 | 0.763 | 0.706 | 8.03  |
| 34) I  | 1,4-Difluorobenzene | -----ISTD----- |       |       |       |       |       |       |       |
| 35) S  | Dibromofluorometh   |                | 0.342 | 0.306 | 0.303 | 0.309 | 0.312 | 0.314 | 5.08  |
| 36) T  | 1,1-Dichloroprope   | 0.621          | 0.508 | 0.472 | 0.487 | 0.500 | 0.456 | 0.507 | 11.63 |
| 37) T  | Ethyl Acetate       | 0.675          | 0.689 | 0.688 | 0.706 | 0.724 | 0.759 | 0.707 | 4.38  |
| 38) T  | Carbon Tetrachlor   | 0.452          | 0.449 | 0.426 | 0.443 | 0.453 | 0.407 | 0.438 | 4.14  |
| 39) T  | Methylcyclohexane   | 0.646          | 0.612 | 0.590 | 0.618 | 0.630 | 0.515 | 0.602 | 7.75  |
| 40) TM | Benzene             | 1.543          | 1.541 | 1.445 | 1.489 | 1.511 | 1.501 | 1.505 | 2.43  |
| 41) T  | Methacrylonitrile   | 0.460          | 0.393 | 0.384 | 0.397 | 0.407 | 0.436 | 0.413 | 7.07  |
| 42) TM | 1,2-Dichloroethan   | 0.610          | 0.572 | 0.520 | 0.536 | 0.540 | 0.560 | 0.556 | 5.74  |
| 43) T  | Isopropyl Acetate   | 1.152          | 1.127 | 1.044 | 1.113 | 1.163 | 1.243 | 1.141 | 5.72  |
| 44) TM | Trichloroethene     | 0.439          | 0.358 | 0.340 | 0.352 | 0.359 | 0.347 | 0.366 | 9.98  |
| 45) C  | 1,2-Dichloropropa   | 0.462          | 0.436 | 0.410 | 0.422 | 0.429 | 0.441 | 0.433 | 4.08# |
| 46) T  | Dibromomethane      | 0.312          | 0.247 | 0.230 | 0.239 | 0.245 | 0.256 | 0.255 | 11.41 |
| 47) T  | Bromodichlorometh   | 0.468          | 0.470 | 0.459 | 0.482 | 0.504 | 0.527 | 0.485 | 5.36  |
| 48) T  | Methyl methacryla   | 0.525          | 0.539 | 0.537 | 0.566 | 0.594 | 0.628 | 0.565 | 7.00  |
| 49) T  | 1,4-Dioxane         | 0.011          | 0.011 | 0.010 | 0.010 | 0.010 | 0.011 | 0.011 | 2.58  |
| 50) S  | Toluene-d8          |                | 1.345 | 1.228 | 1.258 | 1.282 | 1.270 | 1.277 | 3.38  |
| 51) T  | 4-Methyl-2-Pentan   | 0.738          | 0.749 | 0.707 | 0.738 | 0.749 | 0.770 | 0.742 | 2.77  |
| 52) CM | Toluene             | 0.938          | 0.928 | 0.867 | 0.905 | 0.923 | 0.921 | 0.914 | 2.77# |

Method Path : Z:\V0ASRV\HPCHEM1\MSV0A X\METHOD\  
 Method File : 82X052819W.M  
 Title : SW846 8260  
 Last Update : Wed May 29 04:00:56 2019  
 Response Via : Initial Calibration

## Calibration Files

1 =VX009910.D 5 =VX009904.D 20 =VX009905.D  
 50 =VX009906.D 100 =VX009907.D 150 =VX009908.D

|        | Compound              | 1              | 5     | 20    | 50    | 100   | 150   | Avg   | %RSD  |
|--------|-----------------------|----------------|-------|-------|-------|-------|-------|-------|-------|
| 53) T  | t-1,3-Dichloropro     | 0.567          | 0.524 | 0.539 | 0.586 | 0.617 | 0.656 | 0.582 | 8.49  |
| 54) T  | cis-1,3-Dichlorop     | 0.606          | 0.603 | 0.602 | 0.638 | 0.662 | 0.691 | 0.634 | 5.84  |
| 55) T  | 1,1,2-Trichloroet     | 0.382          | 0.363 | 0.347 | 0.358 | 0.370 | 0.387 | 0.368 | 4.14  |
| 56) T  | Ethyl methacrylat     | 0.565          | 0.633 | 0.617 | 0.682 | 0.700 | 0.732 | 0.655 | 9.35  |
| 57) T  | 1,3-Dichloropropa     | 0.684          | 0.665 | 0.625 | 0.641 | 0.660 | 0.688 | 0.660 | 3.69  |
| 58) T  | 2-Chloroethyl Vin     | 0.307          | 0.338 | 0.337 | 0.351 | 0.357 | 0.371 | 0.343 | 6.34  |
| 59) T  | 2-Hexanone            | 0.523          | 0.582 | 0.558 | 0.583 | 0.576 | 0.605 | 0.571 | 4.88  |
| 60) T  | Dibromochlorometh     | 0.321          | 0.348 | 0.340 | 0.368 | 0.387 | 0.406 | 0.362 | 8.65  |
| 61) T  | 1,2-Dibromoethane     | 0.384          | 0.368 | 0.356 | 0.369 | 0.384 | 0.407 | 0.378 | 4.69  |
| 62) S  | 4-Bromofluorobenz     |                | 0.450 | 0.432 | 0.461 | 0.472 | 0.476 | 0.459 | 3.89  |
| 63) I  | Chlorobenzene-d5      | -----ISTD----- |       |       |       |       |       |       |       |
| 64) T  | Tetrachloroethene     | 0.391          | 0.353 | 0.341 | 0.348 | 0.347 | 0.316 | 0.349 | 6.90  |
| 65) PM | Chlorobenzene         | 1.152          | 1.058 | 0.980 | 1.018 | 1.039 | 1.033 | 1.047 | 5.51  |
| 66) T  | 1,1,1,2-Tetrachlo     | 0.339          | 0.360 | 0.351 | 0.367 | 0.380 | 0.382 | 0.363 | 4.56  |
| 67) C  | Ethyl Benzene         | 1.843          | 1.893 | 1.832 | 1.890 | 1.939 | 1.881 | 1.879 | 2.05# |
| 68) T  | m/p-Xylenes           | 0.690          | 0.685 | 0.679 | 0.702 | 0.716 | 0.694 | 0.694 | 1.88  |
| 69) T  | o-Xylene              | 0.650          | 0.658 | 0.645 | 0.677 | 0.692 | 0.673 | 0.666 | 2.70  |
| 70) T  | Styrene               | 1.112          | 1.139 | 1.136 | 1.189 | 1.217 | 1.212 | 1.168 | 3.78  |
| 71) P  | Bromoform             | 0.245          | 0.288 | 0.280 | 0.307 | 0.323 | 0.338 | 0.297 | 11.21 |
| 72) I  | 1,4-Dichlorobenzene-d | -----ISTD----- |       |       |       |       |       |       |       |
| 73) T  | Isopropylbenzene      | 3.883          | 3.724 | 3.621 | 3.676 | 3.765 | 3.466 | 3.689 | 3.82  |
| 74) T  | N-amyl acetate        | 2.047          | 2.160 | 2.132 | 2.249 | 2.268 | 2.371 | 2.204 | 5.20  |
| 75) P  | 1,1,2,2-Tetrachlo     | 1.480          | 1.435 | 1.329 | 1.323 | 1.319 | 1.371 | 1.376 | 4.88  |
| 76) T  | 1,2,3-Trichloropr     | 1.286          | 1.274 | 1.152 | 1.170 | 1.153 | 1.139 | 1.196 | 5.51  |
| 77) T  | Bromobenzene          | 1.139          | 0.909 | 0.876 | 0.893 | 0.916 | 0.908 | 0.940 | 10.45 |
| 78) T  | n-propylbenzene       | 4.308          | 4.225 | 4.196 | 4.290 | 4.431 | 4.063 | 4.252 | 2.91  |
| 79) T  | 2-Chlorotoluene       | 2.802          | 2.639 | 2.542 | 2.544 | 2.579 | 2.481 | 2.598 | 4.33  |
| 80) T  | 1,3,5-Trimethylbe     | 3.039          | 3.164 | 3.097 | 3.118 | 3.204 | 3.026 | 3.108 | 2.23  |
| 81) T  | trans-1,4-Dichlor     |                | 0.448 | 0.432 | 0.486 | 0.512 | 0.538 | 0.483 | 9.03  |
| 82) T  | 4-Chlorotoluene       | 3.307          | 3.068 | 2.855 | 2.963 | 3.021 | 2.933 | 3.024 | 5.18  |
| 83) T  | tert-Butylbenzene     | 2.890          | 3.069 | 2.910 | 2.979 | 3.062 | 2.930 | 2.973 | 2.59  |
| 84) T  | 1,2,4-Trimethylbe     | 3.149          | 3.249 | 3.089 | 3.154 | 3.221 | 3.075 | 3.156 | 2.20  |
| 85) T  | sec-Butylbenzene      | 3.586          | 3.587 | 3.501 | 3.586 | 3.681 | 3.283 | 3.537 | 3.88  |
| 86) T  | p-Isopropyltoluen     | 2.996          | 3.170 | 3.189 | 3.291 | 3.372 | 3.073 | 3.182 | 4.32  |
| 87) T  | 1,3-Dichlorobenze     | 1.948          | 1.646 | 1.578 | 1.604 | 1.636 | 1.631 | 1.674 | 8.15  |
| 88) T  | 1,4-Dichlorobenze     | 2.103          | 1.692 | 1.575 | 1.611 | 1.631 | 1.629 | 1.707 | 11.59 |
| 89) T  | n-Butylbenzene        | 3.054          | 2.813 | 2.877 | 3.084 | 3.195 | 2.919 | 2.990 | 4.83  |
| 90) T  | Hexachloroethane      | 0.511          | 0.528 | 0.524 | 0.558 | 0.592 | 0.564 | 0.546 | 5.55  |
| 91) T  | 1,2-Dichlorobenze     | 1.824          | 1.664 | 1.567 | 1.595 | 1.617 | 1.634 | 1.650 | 5.54  |
| 92) T  | 1,2-Dibromo-3-Chl     | 0.351          | 0.326 | 0.306 | 0.309 | 0.319 | 0.332 | 0.324 | 5.12  |
| 93) T  | 1,2,4-Trichlorobe     | 1.368          | 1.076 | 1.110 | 1.151 | 1.181 | 1.190 | 1.179 | 8.68  |
| 94) T  | Hexachlorobutadie     | 0.701          | 0.586 | 0.568 | 0.584 | 0.592 | 0.516 | 0.592 | 10.22 |
| 95) T  | Naphthalene           | 3.794          | 3.357 | 3.619 | 3.620 | 3.757 | 3.872 | 3.670 | 4.98  |
| 96) T  | 1,2,3-Trichlorobe     | 1.377          | 1.100 | 1.122 | 1.138 | 1.156 | 1.189 | 1.180 | 8.54  |

(#) = Out of Range