

Method Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\  
 Method File : 82D051722S.M  
 Title : SW846 8260  
 Last Update : Wed May 18 04:58:34 2022  
 Response Via : Initial Calibration

## Calibration Files

10 =VD073053.D 5 =VD073052.D 20 =VD073054.D 50 =VD073055.D 100 =VD073056.D 150 =VD073057.D

| Compound |                     | 10             | 5     | 20    | 50    | 100   | 150   | Avg   | %RSD   |
|----------|---------------------|----------------|-------|-------|-------|-------|-------|-------|--------|
| -----    |                     |                |       |       |       |       |       |       |        |
| 1) I     | Pentafluorobenzene  | -----ISTD----- |       |       |       |       |       |       |        |
| 2) T     | Dichlorodifluo...   | 0.687          | 0.680 | 0.679 | 0.515 | 0.630 | 0.560 | 0.625 | 11.54  |
| 3) P     | Chloromethane       | 0.696          | 0.634 | 0.686 | 0.567 | 0.667 | 0.618 | 0.645 | 7.52   |
| 4) C     | Vinyl Chloride      | 0.608          | 0.560 | 0.637 | 0.538 | 0.640 | 0.574 | 0.593 | 7.13#  |
| 5) T     | Bromomethane        | 0.450          | 0.464 | 0.430 | 0.378 | 0.435 | 0.370 | 0.421 | 9.09   |
| 6) T     | Chloroethane        | 0.387          | 0.365 | 0.373 | 0.331 | 0.404 | 0.355 | 0.369 | 6.83   |
| 7) T     | Trichlorofluor...   | 1.100          | 1.094 | 1.119 | 0.967 | 1.176 | 1.052 | 1.085 | 6.49   |
| 8) T     | Diethyl Ether       | 0.287          | 0.235 | 0.299 | 0.286 | 0.341 | 0.333 | 0.297 | 12.82  |
| 9) T     | 1,1,2-Trichlor...   | 0.648          | 0.660 | 0.659 | 0.571 | 0.694 | 0.622 | 0.642 | 6.53   |
| 10) T    | Methyl Iodide       | 0.540          | 0.480 | 0.618 | 0.641 | 0.829 | 0.785 | 0.649 | 20.96  |
| 11) T    | Tert butyl alc...   | 0.145          | 0.160 | 0.112 | 0.058 | 0.054 | 0.051 | 0.097 | 51.01  |
| 12) CM   | 1,1-Dichloroet...   | 0.571          | 0.537 | 0.584 | 0.530 | 0.666 | 0.598 | 0.581 | 8.50#  |
| 13) T    | Acrolein            | 0.056          | 0.021 | 0.061 | 0.053 | 0.061 | 0.061 | 0.052 | 29.81  |
| 14) T    | Allyl chloride      | 0.857          | 0.781 | 0.911 | 0.865 | 1.095 | 1.013 | 0.920 | 12.47  |
| 15) T    | Acrylonitrile       | 0.135          | 0.126 | 0.139 | 0.142 | 0.157 | 0.155 | 0.142 | 8.37   |
| 16) T    | Acetone             | 0.120          | 0.112 | 0.113 | 0.106 | 0.115 | 0.113 | 0.113 | 3.78   |
| 17) T    | Carbon Disulfide    | 1.955          | 1.845 | 2.019 | 1.782 | 2.151 | 1.921 | 1.946 | 6.71   |
| 18) T    | Methyl Acetate      | 0.318          | 0.500 | 0.324 | 0.302 | 0.347 | 0.353 | 0.357 | 20.31  |
| 19) T    | Methyl tert-bu...   | 1.259          | 1.101 | 1.336 | 1.345 | 1.568 | 1.542 | 1.359 | 12.94  |
| 20) T    | Methylene Chlo...   | 0.960          | 0.965 | 0.822 | 0.690 | 0.775 | 0.715 | 0.821 | 14.47  |
| 21) T    | trans-1,2-Dich...   | 0.669          | 0.628 | 0.709 | 0.656 | 0.775 | 0.709 | 0.691 | 7.49   |
| 22) T    | Diisopropyl ether   | 1.885          | 1.566 | 2.025 | 1.964 | 2.252 | 2.161 | 1.975 | 12.17  |
| 23) T    | Vinyl Acetate       | 0.997          | 0.715 | 1.084 | 1.097 | 1.267 | 1.243 | 1.067 | 18.79  |
| 24) P    | 1,1-Dichloroet...   | 1.251          | 1.143 | 1.240 | 1.150 | 1.351 | 1.239 | 1.229 | 6.19   |
| 25) T    | 2-Butanone          | 0.170          | 0.154 | 0.172 | 0.163 | 0.186 | 0.183 | 0.171 | 6.99   |
| 26) T    | 2,2-Dichloropr...   | 1.029          | 0.993 | 1.035 | 0.958 | 1.165 | 1.064 | 1.041 | 6.82   |
| 27) T    | cis-1,2-Dichlo...   | 0.744          | 0.674 | 0.763 | 0.730 | 0.864 | 0.797 | 0.762 | 8.46   |
| 28) T    | Bromochloromet...   | 0.391          | 0.428 | 0.409 | 0.402 | 0.450 | 0.446 | 0.421 | 5.72   |
| 29) T    | Tetrahydrofuran     | 0.105          | 0.084 | 0.109 | 0.112 | 0.126 | 0.125 | 0.110 | 14.18  |
| 30) C    | Chloroform          | 1.360          | 1.271 | 1.319 | 1.228 | 1.406 | 1.306 | 1.315 | 4.79#  |
| 31) T    | Cyclohexane         | 1.099          | 1.087 | 1.140 | 1.006 | 1.278 | 1.146 | 1.126 | 7.97   |
| 32) T    | 1,1,1-Trichlor...   | 1.118          | 1.076 | 1.130 | 1.052 | 1.251 | 1.132 | 1.127 | 6.10   |
| 33) S    | 1,2-Dichloroet...   | 0.625          | 0.627 | 0.620 | 0.614 | 0.651 | 0.615 | 0.625 | 2.18   |
|          |                     |                |       |       |       |       |       |       |        |
| 34) I    | 1,4-Difluorobenzene | -----ISTD----- |       |       |       |       |       |       |        |
| 35) S    | Dibromofluorom...   | 0.344          | 0.343 | 0.340 | 0.357 | 0.373 | 0.350 | 0.351 | 3.53   |
| 36) T    | 1,1-Dichloropr...   | 0.566          | 0.517 | 0.565 | 0.536 | 0.659 | 0.590 | 0.572 | 8.70   |
| 37) T    | Ethyl Acetate       | 0.244          | 0.193 | 0.236 | 0.239 | 0.266 | 0.264 | 0.240 | 10.99  |
| 38) T    | Carbon Tetrach...   | 0.581          | 0.513 | 0.593 | 0.554 | 0.670 | 0.601 | 0.585 | 8.95   |
| 39) T    | Methylcyclohexane   | 0.588          | 0.529 | 0.642 | 0.640 | 0.845 | 0.757 | 0.667 | 17.29  |
| 40) TM   | Benzene             | 1.615          | 1.440 | 1.636 | 1.582 | 1.852 | 1.689 | 1.636 | 8.26   |
| 41) T    | Methacrylonitrile   | 0.139          | 0.127 | 0.114 | 0.140 | 0.137 | 0.156 | 0.135 | 10.33  |
| 42) TM   | 1,2-Dichloroet...   | 0.479          | 0.445 | 0.468 | 0.463 | 0.518 | 0.484 | 0.476 | 5.20   |
| 43) T    | Isopropyl Acetate   | 0.426          | 0.358 | 0.433 | 0.442 | 0.509 | 0.510 | 0.447 | 12.82  |
| 44) TM   | Trichloroethene     | 0.438          | 0.414 | 0.431 | 0.412 | 0.504 | 0.456 | 0.442 | 7.74   |
| 45) C    | 1,2-Dichloropr...   | 0.427          | 0.391 | 0.418 | 0.407 | 0.471 | 0.434 | 0.425 | 6.47#  |
| 46) T    | Dibromomethane      | 0.244          | 0.211 | 0.234 | 0.225 | 0.254 | 0.241 | 0.235 | 6.42   |
| 47) T    | Bromodichlorom...   | 0.580          | 0.580 | 0.590 | 0.574 | 0.649 | 0.606 | 0.597 | 4.66   |
| 48) T    | Methyl methacr...   | 0.191          | 0.153 | 0.224 | 0.232 | 0.266 | 0.264 | 0.222 | 19.72  |
| 49) T    | 1,4-Dioxane         | 0.002          | 0.002 | 0.002 | 0.003 | 0.003 | 0.003 | 0.002 | 11.61  |
| 50) S    | Toluene-d8          | 1.200          | 1.158 | 1.218 | 1.324 | 1.413 | 1.329 | 1.274 | 7.61   |
| 51) T    | 4-Methyl-2-Pen...   | 0.223          | 0.184 | 0.230 | 0.238 | 0.265 | 0.259 | 0.233 | 12.54  |
| 52) CM   | Toluene             | 0.971          | 0.891 | 1.035 | 1.021 | 1.209 | 1.104 | 1.038 | 10.54# |
| 53) T    | t-1,3-Dichloro...   | 0.522          | 0.453 | 0.525 | 0.535 | 0.624 | 0.606 | 0.544 | 11.49  |
| 54) T    | cis-1,3-Dichlo...   | 0.624          | 0.529 | 0.645 | 0.627 | 0.732 | 0.692 | 0.641 | 10.79  |
| 55) T    | 1,1,2-Trichlor...   | 0.314          | 0.306 | 0.320 | 0.310 | 0.345 | 0.328 | 0.321 | 4.52   |
| 56) T    | Ethyl methacry...   | 0.313          | 0.265 | 0.337 | 0.380 | 0.443 | 0.437 | 0.363 | 19.46  |

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|     |    |                       |                |       |       |       |       |       |       |        |
|-----|----|-----------------------|----------------|-------|-------|-------|-------|-------|-------|--------|
| 57) | T  | 1,3-Dichloropr...     | 0.545          | 0.487 | 0.538 | 0.531 | 0.599 | 0.571 | 0.545 | 6.94   |
| 58) | T  | 2-Chloroethyl ...     | 0.127          | 0.120 | 0.149 | 0.177 | 0.208 | 0.205 | 0.165 | 23.28  |
| 59) | T  | 2-Hexanone            | 0.140          | 0.117 | 0.149 | 0.160 | 0.180 | 0.177 | 0.154 | 15.43  |
| 60) | T  | Dibromochlorom...     | 0.387          | 0.370 | 0.400 | 0.385 | 0.435 | 0.414 | 0.398 | 5.85   |
| 61) | T  | 1,2-Dibromoethane     | 0.294          | 0.288 | 0.303 | 0.295 | 0.344 | 0.326 | 0.308 | 7.12   |
| 62) | S  | 4-Bromofluorob...     | 0.425          | 0.414 | 0.456 | 0.478 | 0.507 | 0.487 | 0.461 | 7.88   |
| 63) | I  | Chlorobenzene-d5      | -----ISTD----- |       |       |       |       |       |       |        |
| 64) | T  | Tetrachloroethene     | 0.363          | 0.332 | 0.381 | 0.346 | 0.412 | 0.363 | 0.366 | 7.59   |
| 65) | PM | Chlorobenzene         | 1.118          | 1.002 | 1.142 | 1.097 | 1.277 | 1.166 | 1.134 | 7.95   |
| 66) | T  | 1,1,1,2-Tetrac...     | 0.427          | 0.414 | 0.436 | 0.412 | 0.474 | 0.436 | 0.433 | 5.16   |
| 67) | C  | Ethyl Benzene         | 1.843          | 1.593 | 1.935 | 1.986 | 2.359 | 2.127 | 1.974 | 13.13# |
| 68) | T  | m/p-Xylenes           | 0.712          | 0.593 | 0.780 | 0.769 | 0.915 | 0.821 | 0.765 | 14.13  |
| 69) | T  | o-Xylene              | 0.633          | 0.523 | 0.710 | 0.718 | 0.866 | 0.782 | 0.706 | 16.80  |
| 70) | T  | Styrene               | 1.124          | 0.929 | 1.248 | 1.278 | 1.467 | 1.348 | 1.232 | 15.17  |
| 71) | P  | Bromoform             | 0.225          | 0.202 | 0.225 | 0.228 | 0.252 | 0.237 | 0.228 | 7.23   |
| 72) | I  | 1,4-Dichlorobenzen... | -----ISTD----- |       |       |       |       |       |       |        |
| 73) | T  | Isopropylbenzene      | 3.375          | 2.856 | 3.709 | 3.820 | 4.704 | 4.276 | 3.790 | 17.20  |
| 74) | T  | N-amyl acetate        | 0.778          | 0.681 | 0.840 | 0.930 | 1.053 | 1.033 | 0.886 | 16.54  |
| 75) | P  | 1,1,2,2-Tetrac...     | 0.745          | 0.670 | 0.746 | 0.745 | 0.810 | 0.768 | 0.747 | 6.08   |
| 76) | T  | 1,2,3-Trichlor...     | 0.529          | 0.545 | 0.644 | 0.548 | 0.576 | 0.550 | 0.565 | 7.32   |
| 77) | T  | Bromobenzene          | 0.859          | 0.783 | 0.892 | 0.906 | 1.027 | 0.958 | 0.904 | 9.26   |
| 78) | T  | n-propylbenzene       | 4.294          | 3.631 | 4.792 | 4.824 | 5.795 | 5.219 | 4.759 | 15.67  |
| 79) | T  | 2-Chlorotoluene       | 2.534          | 2.288 | 2.780 | 2.780 | 3.264 | 2.991 | 2.773 | 12.30  |
| 80) | T  | 1,3,5-Trimethy...     | 2.944          | 2.403 | 3.270 | 3.269 | 3.942 | 3.544 | 3.229 | 16.24  |
| 81) | T  | trans-1,4-Dich...     | 0.216          | 0.198 | 0.226 | 0.242 | 0.270 | 0.263 | 0.236 | 11.78  |
| 82) | T  | 4-Chlorotoluene       | 2.774          | 2.430 | 2.931 | 2.912 | 3.432 | 3.126 | 2.934 | 11.46  |
| 83) | T  | tert-Butylbenzene     | 2.441          | 2.020 | 2.701 | 2.739 | 3.422 | 3.086 | 2.735 | 17.87  |
| 84) | T  | 1,2,4-Trimethy...     | 2.936          | 2.423 | 3.268 | 3.274 | 3.852 | 3.520 | 3.212 | 15.31  |
| 85) | T  | sec-Butylbenzene      | 3.776          | 3.178 | 4.149 | 4.138 | 5.133 | 4.534 | 4.151 | 15.97  |
| 86) | T  | p-Isopropyltol...     | 3.004          | 2.482 | 3.377 | 3.440 | 4.225 | 3.732 | 3.377 | 17.71  |
| 87) | T  | 1,3-Dichlorobe...     | 1.834          | 1.648 | 1.873 | 1.833 | 2.074 | 1.889 | 1.859 | 7.36   |
| 88) | T  | 1,4-Dichlorobe...     | 1.868          | 1.677 | 1.820 | 1.791 | 2.007 | 1.856 | 1.837 | 5.87   |
| 89) | T  | n-Butylbenzene        | 2.890          | 2.517 | 3.260 | 3.322 | 4.100 | 3.615 | 3.284 | 16.80  |
| 90) | T  | Hexachloroethane      | 0.679          | 0.627 | 0.708 | 0.673 | 0.795 | 0.728 | 0.702 | 8.14   |
| 91) | T  | 1,2-Dichlorobe...     | 1.568          | 1.441 | 1.628 | 1.587 | 1.795 | 1.652 | 1.612 | 7.18   |
| 92) | T  | 1,2-Dibromo-3-...     | 0.121          | 0.095 | 0.122 | 0.115 | 0.123 | 0.121 | 0.116 | 9.41   |
| 93) | T  | 1,2,4-Trichlor...     | 0.811          | 0.748 | 0.930 | 0.935 | 1.077 | 1.019 | 0.920 | 13.41  |
| 94) | T  | Hexachlorobuta...     | 0.520          | 0.454 | 0.506 | 0.492 | 0.590 | 0.519 | 0.513 | 8.72   |
| 95) | T  | Naphthalene           | 1.375          | 1.114 | 1.571 | 1.762 | 2.120 | 2.054 | 1.666 | 23.46  |
| 96) | T  | 1,2,3-Trichlor...     | 0.758          | 0.661 | 0.794 | 0.830 | 0.960 | 0.896 | 0.817 | 12.87  |

(#) = Out of Range