

Method Path : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\  
 Method File : SOM2WLM103119S.M  
 Title : VOC Analysis  
 Last Update : Fri Nov 01 13:41:23 2019  
 Response Via : Initial Calibration

## Calibration Files

2.5 =VW013849.D 5 =VW013850.D 25 =VW013876.D  
 50 =VW013852.D 100 =VW013853.D

|       | Compound            | 2.5            | 5     | 25    | 50    | 100   | Avg   | %RSD  |
|-------|---------------------|----------------|-------|-------|-------|-------|-------|-------|
| ----- |                     |                |       |       |       |       |       |       |
| 1) I  | 1,4-Difluorobenzene | -----ISTD----- |       |       |       |       |       |       |
| 2) T  | Dichlorodifluoromet | 0.276          | 0.304 | 0.249 | 0.265 | 0.287 | 0.276 | 7.51  |
| 3) T  | Chloromethane       | 0.312          | 0.294 | 0.264 | 0.282 | 0.333 | 0.297 | 8.91  |
| 4) S  | Vinyl Chloride-d3   | 0.394          | 0.418 | 0.399 | 0.338 | 0.354 | 0.381 | 8.75  |
| 5) T  | Vinyl chloride      | 0.458          | 0.427 | 0.414 | 0.395 | 0.413 | 0.421 | 5.49  |
| 6) T  | Bromomethane        | 0.287          | 0.267 | 0.258 | 0.253 | 0.262 | 0.265 | 4.92  |
| 7) S  | Chloroethane-d5     | 0.290          | 0.311 | 0.320 | 0.274 | 0.293 | 0.298 | 6.07  |
| 8) T  | Chloroethane        | 0.249          | 0.229 | 0.239 | 0.231 | 0.242 | 0.238 | 3.42  |
| 9) T  | Trichlorofluorometh | 0.188          | 0.173 | 0.188 | 0.180 | 0.189 | 0.184 | 3.71  |
| 10) S | 1,1-Dichloroethene- | 0.770          | 0.816 | 0.797 | 0.693 | 0.733 | 0.762 | 6.51  |
| 11) T | 1,1,2-Trichloro-1,2 | 0.430          | 0.420 | 0.411 | 0.396 | 0.406 | 0.413 | 3.12  |
| 12) T | 1,1-Dichloroethene  | 0.416          | 0.398 | 0.424 | 0.408 | 0.424 | 0.414 | 2.61  |
| 13) T | Acetone             | 0.180          | 0.144 | 0.107 | 0.091 | 0.104 | 0.125 | 29.19 |
| 14) T | Carbon disulfide    | 1.215          | 1.143 | 1.214 | 1.200 | 1.243 | 1.203 | 3.09  |
| 15) T | Methyl Acetate      | 0.234          | 0.231 | 0.236 | 0.213 | 0.239 | 0.230 | 4.47  |
| 16) T | Methylene chloride  | 0.632          | 0.535 | 0.432 | 0.418 | 0.426 | 0.489 | 19.06 |
| 17) T | Methyl tert-butyl E | 0.511          | 0.507 | 0.537 | 0.511 | 0.511 | 0.515 | 2.40  |
| 18) T | trans-1,2-Dichloroe | 0.438          | 0.432 | 0.439 | 0.423 | 0.435 | 0.434 | 1.45  |
| 19) T | 1,1-Dichloroethane  | 0.766          | 0.738 | 0.745 | 0.722 | 0.737 | 0.742 | 2.15  |
| 20) S | 2-Butanone-d5       | 0.116          | 0.145 | 0.152 | 0.117 | 0.140 | 0.134 | 12.44 |
| 21)   | 2-Butanone          | 0.216          | 0.196 | 0.167 | 0.151 | 0.168 | 0.180 | 14.58 |
| 22) T | cis-1,2-Dichloroeth | 0.461          | 0.453 | 0.470 | 0.463 | 0.473 | 0.464 | 1.64  |
| 23) T | Bromochloromethane  | 0.215          | 0.218 | 0.220 | 0.212 | 0.218 | 0.217 | 1.44  |
| 24) S | Chloroform-d        | 0.776          | 0.799 | 0.831 | 0.689 | 0.731 | 0.765 | 7.35  |
| 25) T | Chloroform          | 0.782          | 0.754 | 0.742 | 0.716 | 0.728 | 0.745 | 3.44  |
| 26) S | 1,2-Dichloroethane- | 0.422          | 0.447 | 0.447 | 0.369 | 0.395 | 0.416 | 8.24  |
| 27) T | 1,2-Dichloroethane  | 0.494          | 0.490 | 0.497 | 0.478 | 0.489 | 0.490 | 1.50  |
| ----- |                     |                |       |       |       |       |       |       |
| 28) I | Chlorobenzene-d5    | -----ISTD----- |       |       |       |       |       |       |
| 29) S | Benzene-d6          | 1.580          | 1.712 | 1.780 | 1.489 | 1.538 | 1.620 | 7.54  |
| 30) T | Cyclohexane         | 0.677          | 0.682 | 0.765 | 0.729 | 0.735 | 0.718 | 5.21  |
| 31) T | 1,1,1-Trichloroetha | 0.588          | 0.570 | 0.590 | 0.564 | 0.553 | 0.573 | 2.76  |
| 32) T | Carbon tetrachlorid | 0.567          | 0.563 | 0.587 | 0.565 | 0.570 | 0.570 | 1.66  |
| 33) S | 1,2-Dichloropropane | 0.470          | 0.518 | 0.528 | 0.447 | 0.465 | 0.485 | 7.28  |
| 34) T | Benzene             | 1.743          | 1.712 | 1.788 | 1.726 | 1.699 | 1.734 | 1.98  |
| 35) T | Trichloroethene     | 0.472          | 0.453 | 0.469 | 0.445 | 0.449 | 0.458 | 2.61  |
| 36) T | Methylcyclohexane   | 0.753          | 0.769 | 0.837 | 0.795 | 0.805 | 0.792 | 4.13  |
| 37) S | Toluene-d8          | 1.502          | 1.628 | 1.699 | 1.429 | 1.486 | 1.549 | 7.17  |
| 38) S | trans-1,3-Dichlorop | 0.203          | 0.224 | 0.247 | 0.210 | 0.227 | 0.222 | 7.67  |
| 39) S | 2-Hexanone-d5       | 0.091          | 0.114 | 0.128 | 0.103 | 0.122 | 0.112 | 13.11 |
| 40) T | 1,2-Dichloropropane | 0.437          | 0.427 | 0.432 | 0.426 | 0.419 | 0.428 | 1.59  |
| 41) T | Bromodichloromethan | 0.526          | 0.524 | 0.551 | 0.540 | 0.548 | 0.538 | 2.30  |
| 42) T | cis-1,3-Dichloropro | 0.595          | 0.640 | 0.708 | 0.700 | 0.719 | 0.672 | 7.89  |
| 43) T | 4-Methyl-2-pentan   | 0.325          | 0.330 | 0.343 | 0.311 | 0.342 | 0.330 | 3.96  |
| 44) T | Toluene             | 1.806          | 1.837 | 1.949 | 1.884 | 1.882 | 1.872 | 2.90  |
| 45) T | trans-1,3-Dichlorop | 0.479          | 0.514 | 0.582 | 0.571 | 0.595 | 0.548 | 9.04  |
| 46) T | 1,1,2-Trichloroetha | 0.347          | 0.349 | 0.350 | 0.336 | 0.346 | 0.345 | 1.63  |
| 47) T | Tetrachloroethene   | 0.410          | 0.412 | 0.417 | 0.406 | 0.410 | 0.411 | 0.97  |
| 48) S | 1,1,2,2-Tetrachloro | 0.420          | 0.490 | 0.479 | 0.391 | 0.426 | 0.441 | 9.50  |
| 49) T | 2-Hexanone          | 0.221          | 0.244 | 0.242 | 0.226 | 0.250 | 0.236 | 5.25  |
| 50) T | Dibromochloromethan | 0.372          | 0.387 | 0.417 | 0.410 | 0.422 | 0.401 | 5.24  |
| 51) T | 1,2-Dibromoethane   | 0.328          | 0.334 | 0.351 | 0.331 | 0.346 | 0.338 | 2.94  |
| 52) T | Chlorobenzene       | 1.234          | 1.212 | 1.223 | 1.191 | 1.209 | 1.214 | 1.30  |

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|-------|-----------------------|----------------|-------|-------|-------|-------|-------|-------|
| ----- |                       |                |       |       |       |       |       |       |
| 53) T | Ethylbenzene          | 1.984          | 2.008 | 2.157 | 2.103 | 2.079 | 2.066 | 3.41  |
| 54) T | m,p-Xylene            | 0.781          | 0.789 | 0.844 | 0.815 | 0.813 | 0.808 | 3.08  |
| 55) T | o-xylene              | 0.702          | 0.740 | 0.796 | 0.784 | 0.783 | 0.761 | 5.16  |
| 56) T | Styrene               | 1.210          | 1.237 | 1.373 | 1.355 | 1.352 | 1.306 | 5.80  |
| 57) T | Isopropylbenzene      | 1.909          | 1.963 | 2.133 | 2.080 | 2.097 | 2.036 | 4.70  |
| 58) T | 1,1,2,2-Tetrachloro   | 0.428          | 0.437 | 0.447 | 0.414 | 0.440 | 0.434 | 2.92  |
| 59)   | 1,2,3-Trichloroprop   | 0.338          | 0.338 | 0.337 | 0.310 | 0.328 | 0.330 | 3.63  |
|       |                       |                |       |       |       |       |       |       |
| 60) I | 1,4-Dichlorobenzene-d | -----ISTD----- |       |       |       |       |       |       |
| 61) S | 1,2-Dichlorobenzene   | 0.963          | 1.026 | 1.048 | 0.862 | 0.915 | 0.963 | 7.99  |
| 62) T | Bromoform             | 0.426          | 0.420 | 0.447 | 0.420 | 0.461 | 0.435 | 4.22  |
| 63) T | 1,3-Dichlorobenzene   | 1.621          | 1.607 | 1.672 | 1.597 | 1.662 | 1.632 | 2.05  |
| 64) T | 1,4-Dichlorobenzene   | 1.717          | 1.629 | 1.676 | 1.609 | 1.645 | 1.655 | 2.55  |
| 65) T | 1,2-Dichlorobenzene   | 1.547          | 1.480 | 1.537 | 1.472 | 1.505 | 1.508 | 2.19  |
| 66) T | 1,2-Dibromo-3-chlor   | 0.116          | 0.121 | 0.120 | 0.113 | 0.126 | 0.119 | 4.17  |
| 67)   | 1,3,5-Trichlorobenz   | 1.195          | 1.215 | 1.318 | 1.275 | 1.274 | 1.255 | 3.96  |
| 68) T | 1,2,4-trichlorobenz   | 0.860          | 0.925 | 1.083 | 1.060 | 1.107 | 1.007 | 10.77 |
| 69)   | Naphthalene           | 1.480          | 1.650 | 2.152 | 2.122 | 2.281 | 1.937 | 18.08 |
| 70) T | 1,2,3-Trichlorobenz   | 0.824          | 0.894 | 0.986 | 0.969 | 0.981 | 0.931 | 7.59  |
| ----- |                       |                |       |       |       |       |       |       |

(#) = Out of Range