Response Factor Report gcms1

Method Path : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\
Method File : SOM-EPA-BM010820MA.M
Title : SVOA CALIBRATION
Last Update : Thu Jan 09 01:07:25 2020
Response Via : Initial Calibration

Calibration Files
5 =BM024413.D 10 =BM024414.D 20 =BM024421.D 40 =BM024416.D 80 =BM024417.D 160 =BM0244
18.D

| | | Compound | 5 | 10 | 20 | 40 | 80 | 160 | Avg | %RSD |
|---|---|---|---|---|---|---|---|---|---|---|
| 1) | I | 1,4-Dichlorobenzen... | ----------ISTD---------- | | | | | | | |
| 2) | | 1,4-Dioxane | 0.436 | 0.464 | 0.467 | 0.480 | 0.484 | | 0.466 | 4.06 |
| 3) | S | 1,4-Dioxane-d8 | 0.455 | 0.474 | 0.448 | 0.471 | 0.469 | | 0.463 | 2.40 |
| 4) | | Benzaldehyde | | 1.139 | 0.641 | 1.080 | 0.891 | 0.568 | 0.864 | 29.53 |
| 5) | S | Phenol-d5 | | 1.485 | 1.528 | 1.578 | 1.643 | 1.575 | 1.562 | 3.80 |
| 6) | | Phenol | | 1.551 | 1.554 | 1.598 | 1.664 | 1.591 | 1.592 | 2.87 |
| 7) | S | Bis-(2-Chloroe... | | 0.886 | 0.892 | 0.944 | 0.954 | 0.903 | 0.916 | 3.37 |
| 8) | | Bis(2-Chloroet... | | 1.228 | 1.212 | 1.284 | 1.281 | 1.232 | 1.247 | 2.64 |
| 9) | S | 2-Chlorophenol-d4 | 1.254 | 1.301 | 1.282 | 1.361 | 1.403 | | 1.320 | 4.59 |
| 10) | | 2-Chlorophenol | 1.257 | 1.296 | 1.280 | 1.360 | 1.386 | | 1.316 | 4.17 |
| 11) | | 2-Methylphenol | | 1.149 | 1.180 | 1.218 | 1.245 | 1.193 | 1.197 | 3.04 |
| 12) | | 2,2'-oxybis(1-... | | 1.692 | 1.640 | 1.724 | 1.709 | 1.625 | 1.678 | 2.58 |
| 13) | S | 4-Methylphenol-d8 | | 1.212 | 1.230 | 1.282 | 1.303 | 1.245 | 1.254 | 2.99 |
| 14) | | Acetophenone | | 1.904 | 1.922 | 1.964 | 1.974 | 1.883 | 1.929 | 2.03 |
| 15) | P | N-Nitroso-di-n... | 0.921 | 0.992 | 0.958 | 1.002 | 1.006 | | 0.976 | 3.68 |
| 16) | | 4-Methylphenol | | 1.262 | 1.273 | 1.291 | 1.317 | 1.265 | 1.282 | 1.79 |
| 17) | | Hexachloroethane | 0.555 | 0.576 | 0.550 | 0.596 | 0.592 | | 0.574 | 3.66 |
| 18) | I | Naphthalene-d8 | ----------ISTD---------- | | | | | | | |
| 19) | S | Nitrobenzene-d5 | 0.137 | 0.143 | 0.150 | 0.157 | 0.163 | | 0.150 | 6.95 |
| 20) | | Nitrobenzene | 0.347 | 0.360 | 0.365 | 0.381 | 0.389 | | 0.368 | 4.63 |
| 21) | | Isophorone | 0.660 | 0.663 | 0.663 | 0.691 | 0.685 | | 0.672 | 2.15 |
| 22) | S | 2-Nitrophenol-d4 | 0.120 | 0.129 | 0.140 | 0.158 | 0.171 | | 0.144 | 14.48 |
| 23) | C | 2-Nitrophenol | 0.130 | 0.145 | 0.157 | 0.176 | 0.184 | | 0.158 | 13.87 |
| 24) | | 2,4-Dimethylph... | 0.360 | 0.352 | 0.354 | 0.365 | 0.372 | | 0.361 | 2.32 |
| 25) | | Bis(2-Chloroet... | 0.397 | 0.399 | 0.398 | 0.410 | 0.410 | | 0.403 | 1.61 |
| 26) | S | 2,4-Dichloroph... | 0.294 | 0.309 | 0.310 | 0.330 | 0.334 | | 0.315 | 5.18 |
| 27) | C | 2,4-Dichloroph... | 0.280 | 0.296 | 0.300 | 0.315 | 0.319 | | 0.302 | 5.24 |
| 28) | | Naphthalene | 1.021 | 1.027 | 1.018 | 1.045 | 1.059 | | 1.034 | 1.69 |
| 29) | S | 4-Chloroanilin... | | 0.377 | 0.326 | 0.404 | 0.373 | 0.300 | 0.356 | 11.79 |
| 30) | | 4-Chloroaniline | | 0.367 | 0.323 | 0.390 | 0.365 | 0.296 | 0.348 | 10.90 |
| 31) | C | Hexachlorobuta... | 0.212 | 0.215 | 0.213 | 0.230 | 0.226 | | 0.219 | 3.82 |
| 32) | | Caprolactam | | 0.083 | 0.088 | 0.096 | 0.100 | 0.093 | 0.092 | 7.04 |
| 33) | C | 4-Chloro-3-met... | 0.296 | 0.304 | 0.317 | 0.326 | 0.335 | | 0.316 | 4.98 |
| 34) | | 2-Methylnaphth... | 0.703 | 0.713 | 0.710 | 0.727 | 0.728 | | 0.716 | 1.49 |
| 35) | | 1-Methylnaphth... | 0.700 | 0.708 | 0.712 | 0.729 | 0.733 | | 0.717 | 1.98 |
| 36) | I | Acenaphthene-d10 | ----------ISTD---------- | | | | | | | |
| 37) | | 1,2,4,5-Tetrac... | 0.628 | 0.632 | 0.646 | 0.680 | 0.695 | | 0.656 | 4.51 |
| 38) | | Hexachlorocycl... | | 0.426 | 0.453 | 0.498 | 0.516 | 0.509 | 0.480 | 8.15 |
| 39) | C | 2,4,6-Trichlor... | 0.358 | 0.363 | 0.382 | 0.412 | 0.426 | | 0.388 | 7.74 |
| 40) | | 2,4,5-Trichlor... | 0.375 | 0.398 | 0.418 | 0.439 | 0.457 | | 0.418 | 7.75 |
| 41) | | 1,1'-Biphenyl | 1.524 | 1.505 | 1.498 | 1.555 | 1.590 | | 1.534 | 2.49 |
| 42) | | 2-Chloronaphth... | 1.212 | 1.194 | 1.217 | 1.246 | 1.280 | | 1.230 | 2.75 |
| 43) | | 2-Nitroaniline | 0.247 | 0.269 | 0.292 | 0.332 | 0.352 | | 0.298 | 14.56 |
| 44) | S | Dimethylphthal... | 1.390 | 1.396 | 1.416 | 1.485 | 1.496 | | 1.437 | 3.50 |
| 45) | | Dimethylphthalate | 1.433 | 1.434 | 1.453 | 1.520 | 1.531 | | 1.474 | 3.24 |
| 46) | | 2,6-Dinitrotol... | 0.203 | 0.236 | 0.262 | 0.300 | 0.321 | | 0.264 | 18.08 |
| 47) | S | Acenaphthylene-d8 | 1.812 | 1.800 | 1.826 | 1.905 | 1.931 | | 1.855 | 3.19 |
| 48) | | Acenaphthylene | 1.857 | 1.879 | 1.895 | 1.940 | 1.986 | | 1.911 | 2.70 |
| 49) | | 3-Nitroaniline | | 0.230 | 0.201 | 0.283 | 0.264 | 0.249 | 0.245 | 12.87 |
| 50) | C | Acenaphthene | 1.248 | 1.247 | 1.248 | 1.290 | 1.322 | | 1.271 | 2.69 |
| 51) | | 2,4-Dinitrophenol | | 0.063 | 0.087 | 0.116 | 0.138 | 0.164 | 0.114 | 35.46 |
| 52) | S | 4-Nitrophenol-d4 | | 0.207 | 0.236 | 0.264 | 0.275 | 0.284 | 0.253 | 12.46 |
| 53) | | 4-Nitrophenol | | 0.198 | 0.209 | 0.225 | 0.235 | 0.237 | 0.221 | 7.69 |
| 54) | | Dibenzofuran | 1.724 | 1.713 | 1.725 | 1.798 | 1.814 | | 1.755 | 2.69 |
| 55) | | 2,4-Dinitrotol... | 0.274 | 0.321 | 0.369 | 0.425 | 0.445 | | 0.367 | 19.37 |

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Method File : SOM-EPA-BM010820MA.M

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|---|---|---|---|---|---|---|---|---|---|
| 56) | | 2,3,4,6-Tetrac... | 0.280 | 0.310 | 0.327 | 0.367 | 0.385 | 0.334 | 12.76 |
| 57) | | Diethylphthalate | 1.400 | 1.385 | 1.425 | 1.526 | 1.512 | 1.449 | 4.48 |
| 58) | S | Fluorene-d10 | 1.223 | 1.246 | 1.258 | 1.307 | 1.332 | 1.273 | 3.54 |
| 59) | | Fluorene | 1.405 | 1.395 | 1.423 | 1.493 | 1.531 | 1.449 | 4.12 |
| 60) | | 4-Chlorophenyl... | 0.726 | 0.731 | 0.739 | 0.786 | 0.798 | 0.756 | 4.44 |
| 61) | | 4-Nitroaniline | | 0.275 | 0.235 | 0.323 | 0.311 | 0.322 | 0.293 | 12.98 |
| 62) | I | Phenanthrene-d10 | ----------ISTD---------- | | | | | | |
| 63) | S | 4,6-Dinitro-2-... | | 0.056 | 0.072 | 0.094 | 0.107 | 0.119 | 0.090 | 28.77 |
| 64) | | 4,6-Dinitro-2-... | | 0.062 | 0.078 | 0.106 | 0.119 | 0.126 | 0.098 | 27.91 |
| 65) | | N-Nitrosodiphe... | 0.579 | 0.581 | 0.577 | 0.616 | 0.621 | 0.595 | 3.64 |
| 66) | | 4-Bromophenyl-... | 0.213 | 0.217 | 0.221 | 0.237 | 0.237 | 0.225 | 5.13 |
| 67) | | Hexachlorobenzene | 0.257 | 0.256 | 0.250 | 0.272 | 0.273 | 0.262 | 3.96 |
| 68) | | Atrazine | | 0.211 | 0.211 | 0.232 | 0.230 | 0.220 | 0.221 | 4.56 |
| 69) | C | Pentachlorophenol | | 0.114 | 0.125 | 0.151 | 0.158 | 0.162 | 0.142 | 15.01 |
| 70) | | Phenanthrene | 1.053 | 1.072 | 1.059 | 1.135 | 1.134 | 1.091 | 3.70 |
| 71) | S | Anthracene-d10 | 0.917 | 0.921 | 0.908 | 0.967 | 0.971 | 0.937 | 3.20 |
| 72) | | Anthracene | 1.090 | 1.093 | 1.088 | 1.155 | 1.163 | 1.118 | 3.39 |
| 73) | | 1,2,3,4-Tetrac... | 0.308 | 0.312 | 0.307 | 0.327 | 0.336 | 0.318 | 4.01 |
| 74) | | Pentachloroben... | 0.299 | 0.297 | 0.296 | 0.318 | 0.321 | 0.306 | 3.93 |
| 75) | | Carbazole | | 0.943 | 0.929 | 0.997 | 0.992 | 0.963 | 0.965 | 3.07 |
| 76) | | Di-n-butylphth... | 1.046 | 1.064 | 1.091 | 1.238 | 1.212 | 1.130 | 7.84 |
| 77) | C | Fluoranthene | | 1.221 | 1.236 | 1.331 | 1.314 | 1.241 | 1.269 | 3.97 |
| 78) | I | Chrysene-d12 | ----------ISTD---------- | | | | | | |
| 79) | S | Pyrene-d10 | 1.061 | 1.064 | 1.037 | 1.094 | 1.086 | 1.069 | 2.11 |
| 80) | | Pyrene | 1.365 | 1.378 | 1.346 | 1.424 | 1.402 | 1.383 | 2.22 |
| 81) | | Butylbenzylpht... | 0.447 | 0.457 | 0.481 | 0.549 | 0.555 | 0.498 | 10.26 |
| 82) | | 3,3'-Dichlorob... | | 0.469 | 0.391 | 0.508 | 0.491 | 0.446 | 0.461 | 9.84 |
| 83) | | Benzo(a)anthra... | 1.318 | 1.339 | 1.341 | 1.404 | 1.412 | 1.363 | 3.11 |
| 84) | | Bis(2-ethylhex... | 0.712 | 0.714 | 0.720 | 0.825 | 0.816 | 0.757 | 7.65 |
| 85) | | Chrysene | 1.258 | 1.308 | 1.297 | 1.353 | 1.357 | 1.315 | 3.13 |
| 86) | I | Perylene-d12 | ----------ISTD---------- | | | | | | |
| 87) | | Di-n-octyl pht... | | 1.041 | 1.049 | 1.255 | 1.191 | 1.020 | 1.111 | 9.45 |
| 88) | | Benzo(b)fluora... | 1.142 | 1.183 | 1.157 | 1.294 | 1.329 | 1.221 | 6.96 |
| 89) | | Benzo(k)fluora... | 1.156 | 1.166 | 1.182 | 1.264 | 1.218 | 1.197 | 3.69 |
| 90) | S | Benzo(a)pyrene... | 0.985 | 0.990 | 0.986 | 1.064 | 1.081 | 1.021 | 4.62 |
| 91) | C | Benzo(a)pyrene | 1.092 | 1.092 | 1.097 | 1.185 | 1.193 | 1.132 | 4.62 |
| 92) | | Indeno(1,2,3-c... | 1.369 | 1.409 | 1.406 | 1.513 | 1.597 | 1.459 | 6.45 |
| 93) | | Dibenzo(a,h)an... | 1.169 | 1.186 | 1.193 | 1.286 | 1.350 | 1.237 | 6.31 |
| 94) | | Benzo(g,h,i)pe... | 1.164 | 1.187 | 1.180 | 1.261 | 1.324 | 1.223 | 5.52 |

(#) = Out of Range