# Response Factor Report gcms1

Method Path : Z:\HPCHEM1\BNA_M\METHODS\
Method File : SOM02.2-EPA-BM080916.M
Title : SVOA CALIBRATION
Last Update : Wed Aug 10 01:30:54 2016
Response Via : Initial Calibration

Calibration Files
5 =BM006989.D 10 =BM006990.D 20 =BM006991.D
40 =BM006992.D 80 =BM006993.D 160 =BM006994.D

| | | Compound | 5 | 10 | 20 | 40 | 80 | 160 | Avg | %RSD |
|---|---|---|---|---|---|---|---|---|---|---|
| 1) | I | 1,4-Dichlorobenzene-d | ---------- | ISTD | ---------- | | | | | |
| 2) | S | 1,4-Dioxane-d8 | 0.478 | 0.431 | 0.454 | 0.426 | 0.405 | | 0.439 | 6.39 |
| 3) | S | Phenol-d5 | | 1.747 | 1.820 | 1.788 | 1.781 | 1.765 | 1.780 | 1.54 |
| 4) | S | Bis-(2-Chloroethy | | 1.032 | 1.044 | 0.997 | 0.970 | 0.931 | 0.995 | 4.63 |
| 5) | S | 2-Chlorophenol-d4 | 1.324 | 1.344 | 1.374 | 1.359 | 1.350 | | 1.350 | 1.36 |
| 6) | S | 4-Methylphenol-d8 | | 1.475 | 1.548 | 1.513 | 1.504 | 1.496 | 1.507 | 1.78 |
| 7) | I | Naphthalene-d8 | ---------- | ISTD | ---------- | | | | | |
| 8) | S | Nitrobenzene-d5 | 0.152 | 0.150 | 0.156 | 0.153 | 0.153 | | 0.153 | 1.54 |
| 9) | S | 2-Nitrophenol-d4 | 0.169 | 0.170 | 0.179 | 0.177 | 0.179 | | 0.175 | 2.89 |
| 10) | S | 2,4-Dichloropheno | 0.336 | 0.342 | 0.348 | 0.343 | 0.340 | | 0.342 | 1.23 |
| 11) | | Naphthalene | 1.023 | 1.010 | 1.028 | 0.995 | 0.960 | | 1.003 | 2.70 |
| 12) | S | 4-Chloroaniline-d | | 0.406 | 0.441 | 0.424 | 0.396 | 0.331 | 0.399 | 10.48 |
| 13) | | 2-Methylnaphthale | 0.807 | 0.808 | 0.819 | 0.784 | 0.753 | | 0.794 | 3.30 |
| 14) | | 1-Methylnaphthale | 0.791 | 0.771 | 0.782 | 0.745 | 0.722 | | 0.762 | 3.72 |
| 15) | I | Acenaphthene-d10 | ---------- | ISTD | ---------- | | | | | |
| 16) | S | Dimethylphthalate | 1.776 | 1.729 | 1.762 | 1.671 | 1.608 | | 1.709 | 4.06 |
| 17) | S | Acenaphthylene-d8 | 2.073 | 2.019 | 2.080 | 1.968 | 1.869 | | 2.002 | 4.34 |
| 18) | | Acenaphthylene | 2.178 | 2.095 | 2.147 | 2.031 | 1.897 | | 2.069 | 5.38 |
| 19) | C | Acenaphthene | 1.388 | 1.345 | 1.399 | 1.312 | 1.246 | | 1.338 | 4.64 |
| 20) | S | 4-Nitrophenol-d4 | | 0.309 | 0.315 | 0.312 | 0.306 | 0.294 | 0.307 | 2.65 |
| 21) | S | Fluorene-d10 | 1.546 | 1.474 | 1.503 | 1.409 | 1.332 | | 1.453 | 5.78 |
| 22) | | Fluorene | 1.724 | 1.652 | 1.658 | 1.523 | 1.382 | | 1.588 | 8.57 |
| 23) | I | Phenanthrene-d10 | ---------- | ISTD | ---------- | | | | | |
| 24) | S | 4,6-Dinitro-2-met | | 0.086 | 0.105 | 0.113 | 0.120 | 0.117 | 0.108 | 12.53 |
| 25) | | Phenanthrene | 1.111 | 1.099 | 1.117 | 1.052 | 0.978 | | 1.072 | 5.44 |
| 26) | S | Anthracene-d10 | 0.974 | 0.946 | 0.973 | 0.912 | 0.855 | | 0.932 | 5.36 |
| 27) | | Anthracene | 1.174 | 1.145 | 1.152 | 1.079 | 0.984 | | 1.107 | 6.99 |
| 28) | C | Fluoranthene | 1.441 | 1.419 | 1.403 | 1.313 | 1.173 | | 1.350 | 8.16 |
| 29) | I | Chrysene-d12 | ---------- | ISTD | ---------- | | | | | |
| 30) | S | Pyrene-d10 | 0.941 | 0.881 | 0.945 | 0.901 | 0.879 | | 0.909 | 3.48 |
| 31) | | Pyrene | 1.238 | 1.152 | 1.213 | 1.133 | 1.066 | | 1.160 | 5.86 |
| 32) | | Benzo(a)anthracen | 1.268 | 1.211 | 1.203 | 1.150 | 1.056 | | 1.178 | 6.78 |
| 33) | | Chrysene | 1.152 | 1.116 | 1.104 | 1.036 | 0.936 | | 1.069 | 7.98 |
| 34) | I | Perylene-d12 | ---------- | ISTD | ---------- | | | | | |
| 35) | | Benzo(b)fluoranth | 1.284 | 1.260 | 1.279 | 1.232 | 1.157 | | 1.242 | 4.19 |
| 36) | | Benzo(k)fluoranth | 1.249 | 1.156 | 1.229 | 1.130 | 1.103 | | 1.174 | 5.39 |
| 37) | S | Benzo(a)pyrene-d1 | 0.939 | 0.912 | 0.946 | 0.911 | 0.889 | | 0.919 | 2.53 |
| 38) | C | Benzo(a)pyrene | 1.195 | 1.154 | 1.181 | 1.119 | 1.066 | | 1.143 | 4.52 |
| 39) | | Indeno(1,2,3-cd)p | 1.151 | 1.168 | 1.145 | 1.104 | 1.099 | | 1.133 | 2.69 |
| 40) | | Dibenzo(a,h)anthr | 0.949 | 0.968 | 0.952 | 0.919 | 0.902 | | 0.938 | 2.88 |
| 41) | | Benzo(g,h,i)peryl | 0.939 | 0.953 | 0.933 | 0.905 | 0.930 | | 0.932 | 1.88 |

(#) = Out of Range