Response Factor Report GC/MS Ins

Method Path : Z:\HPCHEM1\BNA G\METHODS\
Method File : SOM-EPA-BG100717MA.M
Title : SVOA CALIBRATION
Last Update : Mon Oct 09 08:00:20 2017
Response Via : Initial Calibration

Calibration Files
5 =BG029047.D 10 =BG029048.D 20 =BG029093.D
40 =BG029050.D 80 =BG029051.D

| | | Compound | 5 | 10 | 20 | 40 | 80 | Avg | %RSD |
|---|---|---|---|---|---|---|---|---|---|
| 1) | I | 1,4-Dichlorobenzene-d | ----------ISTD---------- | | | | | | |
| 2) | I | Naphthalene-d8 | ----------ISTD---------- | | | | | | |
| 3) | | Naphthalene | 1.047 | 1.046 | 1.072 | 1.030 | 1.010 | 1.041 | 2.19 |
| 4) | | 2-Methylnaphthalene | 0.802 | 0.790 | 0.816 | 0.783 | 0.760 | 0.790 | 2.69 |
| 5) | | 1-Methylnaphthalene | 0.760 | 0.762 | 0.770 | 0.746 | 0.733 | 0.754 | 1.95 |
| 6) | I | Acenaphthene-d10 | ----------ISTD---------- | | | | | | |
| 7) | S | Acenaphthylene-d8 | 2.064 | 2.102 | 2.181 | 2.079 | 1.974 | 2.080 | 3.58 |
| 8) | | Acenaphthylene | 2.007 | 2.087 | 2.102 | 1.957 | 1.860 | 2.003 | 4.96 |
| 9) | C | Acenaphthene | 1.364 | 1.391 | 1.410 | 1.344 | 1.305 | 1.363 | 3.00 |
| 10) | S | Fluorene-d10 | 1.508 | 1.553 | 1.577 | 1.484 | 1.420 | 1.509 | 4.08 |
| 11) | | Fluorene | 1.681 | 1.668 | 1.652 | 1.543 | 1.431 | 1.595 | 6.68 |
| 12) | I | Phenanthrene-d10 | ----------ISTD---------- | | | | | | |
| 13) | | Phenanthrene | 1.104 | 1.123 | 1.092 | 1.045 | 0.971 | 1.067 | 5.70 |
| 14) | S | Anthracene-d10 | 0.997 | 0.991 | 0.997 | 0.961 | 0.898 | 0.969 | 4.34 |
| 15) | | Anthracene | 1.139 | 1.139 | 1.118 | 1.069 | 0.992 | 1.091 | 5.75 |
| 16) | C | Fluoranthene | 1.290 | 1.300 | 1.316 | 1.235 | 1.111 | 1.251 | 6.71 |
| 17) | I | Chrysene-d12 | ----------ISTD---------- | | | | | | |
| 18) | S | Pyrene-d10 | 1.030 | 1.022 | 1.108 | 1.001 | 0.955 | 1.023 | 5.45 |
| 19) | | Pyrene | 1.301 | 1.255 | 1.361 | 1.206 | 1.110 | 1.247 | 7.65 |
| 20) | | Benzo(a)anthracene | 1.162 | 1.157 | 1.274 | 1.180 | 1.115 | 1.178 | 5.00 |
| 21) | | Chrysene | 1.069 | 1.073 | 1.165 | 1.072 | 1.014 | 1.079 | 5.03 |
| 22) | I | Perylene-d12 | ----------ISTD---------- | | | | | | |
| 23) | | Benzo(b)fluoranthen | 1.160 | 1.178 | 1.237 | 1.214 | 1.194 | 1.196 | 2.50 |
| 24) | | Benzo(k)fluoranthen | 1.149 | 1.156 | 1.201 | 1.185 | 1.148 | 1.168 | 2.06 |
| 25) | S | Benzo(a)pyrene-d12 | 0.942 | 0.929 | 0.975 | 0.966 | 0.978 | 0.958 | 2.24 |
| 26) | C | Benzo(a)pyrene | 1.113 | 1.147 | 1.203 | 1.179 | 1.168 | 1.162 | 2.94 |
| 27) | | Indeno(1,2,3-cd)pyr | 1.258 | 1.279 | 1.348 | 1.344 | 1.366 | 1.319 | 3.60 |
| 28) | | Dibenzo(a,h)anthrac | 1.038 | 1.071 | 1.114 | 1.117 | 1.120 | 1.092 | 3.33 |
| 29) | | Benzo(g,h,i)perylen | 1.038 | 1.053 | 1.116 | 1.105 | 1.127 | 1.088 | 3.67 |

(#) = Out of Range