Response Factor Report BNA_N

Method Path : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\
Method File : 8270-SIM-BN061020.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Mar 25 10:49:04 2015
Response Via : Initial Calibration

CalibrationFiles
0.1 =BN010811.D 0.2 =BN010812.D 0.4 =BN010815.D 0.8 =BN010814.D 1.6 =BN010816.D 3.2 =BN010817.D 5 =BN010818.D

| | | Compound | 0.1 | 0.2 | 0.4 | 0.8 | 1.6 | 3.2 | 5 | Avg | %RSD |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1) | I | 1,4-Dichlorobenzen... | ----------ISTD---------- | | | | | | | | |
| 2) | | 1,4-Dioxane | 0.396 | 0.390 | 0.410 | 0.379 | 0.409 | 0.383 | 0.376 | 0.392 | 3.51 |
| 3) | | n-Nitrosodimet... | | 0.179 | 0.200 | 0.213 | 0.260 | 0.257 | 0.257 | 0.228 | 15.42 |
| 4) | S | 2-Fluorophenol | 0.753 | 0.808 | 0.789 | 0.728 | 0.782 | 0.766 | 0.779 | 0.772 | 3.36 |
| 5) | S | Phenol-d6 | 0.856 | 0.905 | 0.909 | 0.862 | 0.944 | 0.939 | 0.952 | 0.910 | 4.24 |
| 6) | | bis(2-Chloroet... | 0.831 | 0.851 | 0.886 | 0.893 | 0.954 | 0.906 | 0.887 | 0.887 | 4.42 |
| 7) | I | Naphthalene-d8 | ----------ISTD---------- | | | | | | | | |
| 8) | S | Nitrobenzene-d5 | 0.242 | 0.285 | 0.308 | 0.283 | 0.317 | 0.315 | 0.322 | 0.296 | 9.63 |
| 9) | | Naphthalene | 0.980 | 0.998 | 1.054 | 0.946 | 1.041 | 1.006 | 1.011 | 1.005 | 3.61 |
| 10) | | Hexachlorobuta... | 0.243 | 0.256 | 0.267 | 0.234 | 0.257 | 0.244 | 0.238 | 0.248 | 4.81 |
| 11) | SURR | 2-Methylnaphth... | 0.581 | 0.607 | 0.650 | 0.588 | 0.644 | 0.637 | 0.635 | 0.620 | 4.52 |
| 12) | | 2-Methylnaphth... | 0.630 | 0.664 | 0.691 | 0.638 | 0.703 | 0.693 | 0.690 | 0.673 | 4.32 |
| 13) | I | Acenaphthene-d10 | ----------ISTD---------- | | | | | | | | |
| 14) | S | 2,4,6-Tribromo... | 0.129 | 0.130 | 0.138 | 0.134 | 0.150 | 0.158 | 0.162 | 0.143 | 9.50 |
| 15) | S | 2-Fluorobiphenyl | 1.436 | 1.577 | 1.680 | 1.524 | 1.648 | 1.585 | 1.599 | 1.578 | 5.09 |
| 16) | | Acenaphthylene | 1.460 | 1.528 | 1.652 | 1.541 | 1.722 | 1.762 | 1.804 | 1.639 | 8.01 |
| 17) | | Acenaphthene | 1.067 | 1.098 | 1.162 | 1.065 | 1.147 | 1.126 | 1.156 | 1.117 | 3.69 |
| 18) | | Fluorene | 1.353 | 1.397 | 1.479 | 1.356 | 1.509 | 1.485 | 1.509 | 1.441 | 4.86 |
| 19) | I | Phenanthrene-d10 | ----------ISTD---------- | | | | | | | | |
| 20) | | 4-Bromophenyl-... | 0.215 | 0.225 | 0.246 | 0.228 | 0.256 | 0.255 | 0.259 | 0.240 | 7.29 |
| 21) | | Hexachlorobenzene | 0.244 | 0.251 | 0.263 | 0.241 | 0.256 | 0.250 | 0.250 | 0.251 | 2.88 |
| 22) | | Pentachlorophenol | | 0.072 | 0.082 | 0.073 | 0.089 | 0.090 | 0.099 | 0.084 | 12.57 |
| 23) | | Phenanthrene | 1.000 | 1.045 | 1.120 | 1.042 | 1.141 | 1.145 | 1.155 | 1.093 | 5.70 |
| 24) | | Anthracene | 0.781 | 0.827 | 0.904 | 0.849 | 0.971 | 1.002 | 1.051 | 0.912 | 10.90 |
| 25) | SURR | Fluoranthene-d10 | 0.955 | 1.031 | 1.115 | 1.040 | 1.177 | 1.180 | 1.231 | 1.104 | 8.99 |
| 26) | | Fluoranthene | 1.047 | 1.131 | 1.240 | 1.171 | 1.343 | 1.352 | 1.398 | 1.240 | 10.49 |
| 27) | I | Chrysene-d12 | ----------ISTD---------- | | | | | | | | |
| 28) | | Pyrene | 1.388 | 1.375 | 1.375 | 1.246 | 1.309 | 1.290 | 1.280 | 1.323 | 4.22 |
| 29) | S | Terphenyl-d14 | 0.967 | 0.974 | 0.980 | 0.892 | 0.928 | 0.912 | 0.899 | 0.936 | 3.97 |
| 30) | | Benzo(a)anthra... | 1.142 | 1.110 | 1.165 | 1.071 | 1.200 | 1.240 | 1.302 | 1.176 | 6.69 |
| 31) | | Chrysene | 1.300 | 1.463 | 1.483 | 1.304 | 1.384 | 1.318 | 1.340 | 1.370 | 5.54 |
| 32) | | Bis(2-ethylhex... | 0.444 | 0.416 | 0.383 | 0.364 | 0.370 | 0.376 | 0.391 | 0.392 | 7.35 |
| 33) | | Indeno(1,2,3-c... | 1.391 | 1.575 | 1.601 | 1.417 | 1.574 | 1.517 | 1.642 | 1.531 | 6.18 |
| 34) | I | Perylene-d12 | ----------ISTD---------- | | | | | | | | |
| 35) | | Benzo(b)fluora... | 1.204 | 1.248 | 1.408 | 1.281 | 1.460 | 1.444 | 1.476 | 1.360 | 8.26 |

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|---|---|---|---|---|---|---|---|---|---|---|
| 36) | | Benzo(k)fluora... | 1.328 | 1.410 | 1.524 | 1.387 | 1.512 | 1.517 | 1.465 | 1.449 | 5.25 |
| 37) | C | Benzo(a)pyrene | 1.080 | 1.106 | 1.171 | 1.075 | 1.216 | 1.240 | 1.279 | 1.167 | 7.00 |
| 38) | | Dibenzo(a,h)an... | 1.160 | 1.227 | 1.354 | 1.244 | 1.423 | 1.434 | 1.470 | 1.330 | 9.03 |
| 39) | | Benzo(g,h,i)pe... | 1.276 | 1.334 | 1.479 | 1.277 | 1.443 | 1.440 | 1.485 | 1.391 | 6.64 |

(#) = Out of Range