Response Factor Report BNA_N

Method Path : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\
Method File : 8270-SIM-BN080621.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Sat Aug 07 04:36:21 2021
Response Via : Initial Calibration

Calibration Files
0.1 =BN015813.D 0.2 =BN015814.D 0.4 =BN015815.D 0.8 =BN015816.D 1.6 =BN015817.D 3.2 =BN015818.D 5.0 =BN015819.D

| | | Compound | 0.1 | 0.2 | 0.4 | 0.8 | 1.6 | 3.2 | 5.0 | Avg | %RSD |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1) | I | 1,4-Dichlorobenzen... | ----------ISTD---------- | | | | | | | | |
| 2) | | 1,4-Dioxane | 0.150 | 0.155 | 0.172 | 0.170 | 0.169 | 0.161 | 0.152 | 0.161 | 5.74 |
| 3) | | n-Nitrosodimet... | 0.322 | 0.333 | 0.371 | 0.389 | 0.419 | 0.421 | 0.401 | 0.379 | 10.45 |
| 4) | S | 2-Fluorophenol | 1.436 | 1.220 | 1.181 | 1.147 | 1.152 | 1.094 | 1.012 | 1.178 | 11.22 |
| 5) | S | Phenol-d6 | 2.035 | 1.640 | 1.624 | 1.585 | 1.579 | 1.503 | 1.389 | 1.622 | 12.40 |
| 6) | | bis(2-Chloroet... | 1.275 | 1.179 | 1.187 | 1.149 | 1.169 | 1.103 | 1.015 | 1.154 | 6.95 |
| 7) | I | Naphthalene-d8 | ----------ISTD---------- | | | | | | | | |
| 8) | S | Nitrobenzene-d5 | 0.346 | 0.305 | 0.276 | 0.282 | 0.296 | 0.302 | 0.301 | 0.301 | 7.43 |
| 9) | | Naphthalene | 1.154 | 1.053 | 1.043 | 1.038 | 1.054 | 1.031 | 0.973 | 1.049 | 5.14 |
| 10) | | Hexachlorobuta... | 0.207 | 0.190 | 0.191 | 0.190 | 0.193 | 0.188 | 0.179 | 0.191 | 4.34 |
| 11) | SURR | 2-Methylnaphth... | 0.637 | 0.620 | 0.616 | 0.615 | 0.624 | 0.608 | 0.578 | 0.614 | 2.98 |
| 12) | | 2-Methylnaphth... | 0.784 | 0.712 | 0.703 | 0.699 | 0.702 | 0.711 | 0.670 | 0.712 | 4.88 |
| 13) | I | Acenaphthene-d10 | ----------ISTD---------- | | | | | | | | |
| 14) | S | 2,4,6-Tribromo... | 0.248 | 0.190 | 0.187 | 0.198 | 0.213 | 0.221 | 0.206 | 0.209 | 10.09 |
| 15) | S | 2-Fluorobiphenyl | 1.784 | 1.594 | 1.421 | 1.428 | 1.447 | 1.423 | 1.354 | 1.493 | 9.90 |
| 16) | | Acenaphthylene | 2.065 | 1.842 | 1.794 | 1.836 | 1.873 | 1.865 | 1.768 | 1.863 | 5.18 |
| 17) | | Acenaphthene | 1.275 | 1.150 | 1.130 | 1.153 | 1.183 | 1.177 | 1.132 | 1.171 | 4.27 |
| 18) | | Fluorene | 1.551 | 1.413 | 1.374 | 1.400 | 1.438 | 1.422 | 1.348 | 1.421 | 4.56 |
| 19) | I | Phenanthrene-d10 | ----------ISTD---------- | | | | | | | | |
| 20) | | 4,6-Dinitro-2-... | 0.018 | 0.019 | 0.025 | 0.031 | 0.042 | 0.052 | | 0.031 | 43.37 |
| 21) | | 4-Bromophenyl-... | 0.236 | 0.216 | 0.216 | 0.214 | 0.215 | 0.210 | 0.192 | 0.214 | 5.99 |
| 22) | | Hexachlorobenzene | 0.287 | 0.261 | 0.263 | 0.260 | 0.265 | 0.260 | 0.250 | 0.264 | 4.35 |
| 23) | | Atrazine | 0.239 | 0.215 | 0.215 | 0.215 | 0.222 | 0.219 | 0.211 | 0.219 | 4.29 |
| 24) | | Pentachlorophenol | 0.094 | 0.082 | 0.087 | 0.095 | 0.107 | 0.115 | 0.118 | 0.100 | 13.82 |
| 25) | | Phenanthrene | 1.263 | 1.129 | 1.125 | 1.120 | 1.150 | 1.117 | 1.086 | 1.141 | 4.98 |
| 26) | | Anthracene | 1.228 | 1.092 | 1.093 | 1.092 | 1.123 | 1.084 | 1.041 | 1.108 | 5.26 |
| 27) | SURR | Fluoranthene-d10 | 1.139 | 1.114 | 1.110 | 1.120 | 1.153 | 1.128 | 1.082 | 1.121 | 2.02 |
| 28) | | Fluoranthene | 1.428 | 1.272 | 1.260 | 1.267 | 1.292 | 1.241 | 1.181 | 1.277 | 5.88 |
| 29) | I | Chrysene-d12 | ----------ISTD---------- | | | | | | | | |
| 30) | | Pyrene | 1.583 | 1.433 | 1.392 | 1.402 | 1.408 | 1.365 | 1.333 | 1.417 | 5.66 |
| 31) | S | Terphenyl-d14 | 1.376 | 1.310 | 1.214 | 1.190 | 1.223 | 1.170 | 1.150 | 1.233 | 6.58 |
| 32) | | Benzo(a)anthra... | 1.498 | 1.346 | 1.321 | 1.353 | 1.377 | 1.330 | 1.329 | 1.365 | 4.52 |
| 33) | | Chrysene | 1.439 | 1.288 | 1.258 | 1.264 | 1.276 | 1.278 | 1.223 | 1.290 | 5.38 |
| 34) | | Bis(2-ethylhex... | 1.163 | 1.000 | 0.951 | 0.960 | 0.987 | 0.998 | 0.993 | 1.007 | 7.07 |
| 35) | I | Perylene-d12 | ----------ISTD---------- | | | | | | | | |

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|---|---|---|---|---|---|---|---|---|---|---|
| 36) | | Indeno(1,2,3-c... | 1.592 | 1.456 | 1.439 | 1.515 | 1.554 | 1.524 | 1.486 | 1.510 | 3.57 |
| 37) | | Benzo(b)fluora... | 1.562 | 1.414 | 1.350 | 1.383 | 1.403 | 1.372 | 1.326 | 1.401 | 5.49 |
| 38) | | Benzo(k)fluora... | 1.444 | 1.306 | 1.308 | 1.335 | 1.336 | 1.274 | 1.235 | 1.320 | 4.93 |
| 39) | C | Benzo(a)pyrene | 1.379 | 1.222 | 1.186 | 1.227 | 1.250 | 1.224 | 1.192 | 1.240 | 5.27 |
| 40) | | Dibenzo(a,h)an... | 1.285 | 1.192 | 1.178 | 1.244 | 1.277 | 1.253 | 1.221 | 1.236 | 3.29 |
| 41) | | Benzo(g,h,i)pe... | 1.390 | 1.270 | 1.250 | 1.304 | 1.331 | 1.310 | 1.283 | 1.305 | 3.51 |

(#) = Out of Range