Response Factor Report BNA_N

Method Path : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\
Method File : 8270-SIM-BN110921.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Nov 10 11:00:44 2021
Response Via : Initial Calibration

Calibration Files
0.1 =BN017341.D 0.2 =BN017342.D 0.4 =BN017343.D 0.8 =BN017344.D 1.6 =BN017345.D 3.2 =BN017346.D 5 =BN017347.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 | 0.227 | 0.228 | 0.229 | 0.238 | 0.238 | 0.226 | 0.181 | 0.224 | 8.66 |
| 3) | | n-Nitrosodimet... | 0.275 | 0.322 | 0.347 | 0.351 | 0.380 | 0.374 | 0.357 | 0.344 | 10.35 |
| 4) | S | 2-Fluorophenol | 0.862 | 0.921 | 0.928 | 0.921 | 0.989 | 0.947 | 0.887 | 0.922 | 4.43 |
| 5) | S | Phenol-d6 | 0.888 | 0.973 | 1.014 | 1.013 | 1.116 | 1.085 | 1.022 | 1.016 | 7.32 |
| 6) | | bis(2-Chloroet... | 1.039 | 1.116 | 1.124 | 1.095 | 1.125 | 1.041 | 0.953 | 1.070 | 5.93 |
| 7) | I | Naphthalene-d8 | ----------ISTD---------- | | | | | | | | |
| 8) | S | Nitrobenzene-d5 | 0.183 | 0.210 | 0.228 | 0.255 | 0.284 | 0.261 | 0.259 | 0.240 | 14.50 |
| 9) | | Naphthalene | 1.080 | 1.109 | 1.091 | 1.059 | 1.080 | 1.007 | 0.950 | 1.054 | 5.32 |
| 10) | | Hexachlorobuta... | 0.210 | 0.217 | 0.212 | 0.206 | 0.223 | 0.193 | 0.186 | 0.207 | 6.22 |
| 11) | SURR | 2-Methylnaphth... | 0.552 | 0.596 | 0.599 | 0.634 | 0.640 | 0.564 | 0.538 | 0.589 | 6.74 |
| 12) | | 2-Methylnaphth... | 0.672 | 0.713 | 0.718 | 0.752 | 0.743 | 0.645 | 0.611 | 0.694 | 7.55 |
| 13) | I | Acenaphthene-d10 | ----------ISTD---------- | | | | | | | | |
| 14) | S | 2,4,6-Tribromo... | 0.109 | 0.129 | 0.137 | 0.168 | 0.180 | 0.173 | 0.149 | 19.00 | |
| 15) | S | 2-Fluorobiphenyl | 1.475 | 1.570 | 1.621 | 1.545 | 1.586 | 1.450 | 1.404 | 1.522 | 5.23 |
| 16) | | Acenaphthylene | 1.290 | 1.447 | 1.655 | 1.695 | 1.864 | 1.771 | 1.693 | 1.631 | 12.08 |
| 17) | | Acenaphthene | 1.110 | 1.147 | 1.169 | 1.135 | 1.168 | 1.088 | 1.043 | 1.123 | 4.08 |
| 18) | | Fluorene | 1.244 | 1.332 | 1.405 | 1.373 | 1.445 | 1.328 | 1.260 | 1.341 | 5.45 |
| 19) | I | Phenanthrene-d10 | ----------ISTD---------- | | | | | | | | |
| 20) | | 4,6-Dinitro-2-... | 0.015 | 0.022 | 0.027 | 0.030 | 0.047 | 0.069 | 0.077 | 0.041 | 58.90 |
| 21) | | 4-Bromophenyl-... | 0.194 | 0.227 | 0.233 | 0.229 | 0.245 | 0.235 | 0.206 | 0.224 | 7.97 |
| 22) | | Hexachlorobenzene | 0.243 | 0.272 | 0.267 | 0.255 | 0.261 | 0.242 | 0.218 | 0.251 | 7.38 |
| 23) | | Atrazine | 0.110 | 0.120 | 0.143 | 0.149 | 0.180 | 0.185 | 0.173 | 0.151 | 19.48 |
| 24) | | Pentachlorophenol | 0.049 | 0.072 | 0.074 | 0.101 | 0.117 | 0.120 | 0.089 | 31.76 | |
| 25) | | Phenanthrene | 1.110 | 1.167 | 1.219 | 1.180 | 1.188 | 1.110 | 1.048 | 1.146 | 5.14 |
| 26) | | Anthracene | 0.776 | 0.872 | 0.959 | 0.990 | 1.071 | 1.030 | 0.987 | 0.955 | 10.50 |
| 27) | SURR | Fluoranthene-d10 | 0.888 | 1.040 | 1.059 | 1.041 | 1.116 | 0.995 | 1.001 | 1.020 | 6.91 |
| 28) | | Fluoranthene | 1.102 | 1.300 | 1.329 | 1.309 | 1.342 | 1.134 | 1.139 | 1.236 | 8.54 |
| 29) | I | Chrysene-d12 | ----------ISTD---------- | | | | | | | | |
| 30) | | Pyrene | 1.196 | 1.334 | 1.327 | 1.328 | 1.333 | 1.284 | 1.245 | 1.292 | 4.17 |
| 31) | S | Terphenyl-d14 | 0.797 | 0.914 | 0.940 | 0.914 | 0.916 | 0.888 | 0.869 | 0.891 | 5.33 |
| 32) | | Benzo(a)anthra... | 1.041 | 1.137 | 1.210 | 1.211 | 1.342 | 1.301 | 1.254 | 1.214 | 8.32 |
| 33) | | Chrysene | 1.330 | 1.372 | 1.336 | 1.279 | 1.312 | 1.222 | 1.190 | 1.292 | 5.08 |
| 34) | | Bis(2-ethylhex... | 0.379 | 0.385 | 0.401 | 0.398 | 0.579 | | | 0.428 | 19.85 |
| 35) | I | Perylene-d12 | ----------ISTD---------- | | | | | | | | |

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| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 36) | | Indeno(1,2,3-c... | 1.337 | 1.462 | 1.434 | 1.432 | 1.478 | 1.360 | 1.298 | 1.400 | 4.88 |
| 37) | | Benzo(b)fluora... | 1.125 | 1.269 | 1.462 | 1.339 | 1.416 | 1.301 | 1.241 | 1.308 | 8.60 |
| 38) | | Benzo(k)fluora... | 1.224 | 1.317 | 1.397 | 1.359 | 1.392 | 1.276 | 1.191 | 1.308 | 6.18 |
| 39) | C | Benzo(a)pyrene | 0.987 | 1.133 | 1.197 | 1.176 | 1.274 | 1.199 | 1.137 | 1.158 | 7.65 |
| 40) | | Dibenzo(a,h)an... | 1.028 | 1.150 | 1.155 | 1.162 | 1.203 | 1.117 | 1.070 | 1.126 | 5.32 |
| 41) | | Benzo(g,h,i)pe... | 1.182 | 1.289 | 1.284 | 1.213 | 1.261 | 1.166 | 1.109 | 1.215 | 5.52 |

(#) = Out of Range