Response Factor Report BNA_N

Method Path : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\
Method File : 8270-SIM-BN082521.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Tue Aug 24 14:26:02 2021
Response Via : Initial Calibration

Calibration Files
0.1 =BN016024.D 0.2 =BN016025.D 0.4 =BN016026.D 0.8 =BN016027.D 1.6 =BN016028.D 3.2 =BN016029.D 5 =BN016030.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 | 0.213 | 0.223 | 0.212 | 0.221 | 0.233 | 0.227 | 0.208 | 0.220 | 4.12 |
| 3) | | n-Nitrosodimet... | 0.260 | 0.290 | 0.320 | 0.351 | 0.394 | 0.405 | 0.394 | 0.345 | 16.50 |
| 4) | S | 2-Fluorophenol | 0.971 | 0.875 | 0.926 | 0.960 | 1.024 | 1.001 | 0.944 | 0.957 | 5.12 |
| 5) | S | Phenol-d6 | 1.351 | 1.186 | 1.277 | 1.347 | 1.439 | 1.415 | 1.335 | 1.336 | 6.34 |
| 6) | | bis(2-Chloroet... | 1.181 | 1.118 | 1.146 | 1.131 | 1.155 | 1.083 | 1.006 | 1.117 | 5.17 |
| 7) | I | Naphthalene-d8 | ----------ISTD---------- | | | | | | | | |
| 8) | S | Nitrobenzene-d5 | 0.219 | 0.219 | 0.213 | 0.244 | 0.290 | 0.322 | 0.333 | 0.263 | 19.50 |
| 9) | | Naphthalene | 1.158 | 1.056 | 1.034 | 1.040 | 1.062 | 1.029 | 0.985 | 1.052 | 5.05 |
| 10) | | Hexachlorobuta... | 0.246 | 0.231 | 0.228 | 0.233 | 0.239 | 0.234 | 0.225 | 0.234 | 2.96 |
| 11) | SURR | 2-Methylnaphth... | 0.563 | 0.579 | 0.594 | 0.617 | 0.639 | 0.627 | 0.605 | 0.603 | 4.46 |
| 12) | | 2-Methylnaphth... | 0.680 | 0.656 | 0.670 | 0.682 | 0.699 | 0.671 | 0.641 | 0.671 | 2.80 |
| 13) | I | Acenaphthene-d10 | ----------ISTD---------- | | | | | | | | |
| 14) | S | 2,4,6-Tribromo... | 0.105 | 0.088 | 0.105 | 0.123 | 0.147 | | | 0.114 | 19.64 |
| 15) | S | 2-Fluorobiphenyl | 2.078 | 1.790 | 1.508 | 1.536 | 1.520 | 1.450 | 1.391 | 1.610 | 14.98 |
| 16) | | Acenaphthylene | 1.275 | 1.177 | 1.257 | 1.505 | 1.680 | 1.723 | 1.680 | 1.471 | 15.76 |
| 17) | | Acenaphthene | 1.233 | 1.117 | 1.068 | 1.119 | 1.138 | 1.121 | 1.086 | 1.126 | 4.68 |
| 18) | | Fluorene | 1.433 | 1.305 | 1.275 | 1.353 | 1.383 | 1.357 | 1.320 | 1.347 | 3.89 |
| 19) | I | Phenanthrene-d10 | ----------ISTD---------- | | | | | | | | |
| 20) | | 4,6-Dinitro-2-... | 0.015 | 0.014 | 0.018 | 0.025 | 0.038 | 0.050 | | 0.027 | 53.51 |
| 21) | | 4-Bromophenyl-... | 0.197 | 0.191 | 0.190 | 0.204 | 0.214 | 0.207 | 0.203 | 0.201 | 4.40 |
| 22) | | Hexachlorobenzene | 0.323 | 0.291 | 0.270 | 0.277 | 0.281 | 0.271 | 0.261 | 0.282 | 7.18 |
| 23) | | Atrazine | 0.085 | 0.090 | 0.101 | 0.126 | 0.158 | 0.177 | | 0.123 | 30.76 |
| 24) | | Pentachlorophenol | | 0.038 | 0.048 | 0.062 | 0.083 | 0.101 | 0.111 | 0.074 | 39.57 |
| 25) | | Phenanthrene | 1.269 | 1.141 | 1.089 | 1.128 | 1.156 | 1.115 | 1.065 | 1.138 | 5.78 |
| 26) | | Anthracene | 0.845 | 0.799 | 0.842 | 0.949 | 1.043 | 1.034 | 1.013 | 0.932 | 10.98 |
| 27) | SURR | Fluoranthene-d10 | 0.985 | 1.027 | 1.061 | 1.165 | 1.241 | 1.223 | 1.195 | 1.128 | 9.06 |
| 28) | | Fluoranthene | 1.234 | 1.185 | 1.228 | 1.323 | 1.359 | 1.287 | 1.223 | 1.263 | 4.92 |
| 29) | I | Chrysene-d12 | ----------ISTD---------- | | | | | | | | |
| 30) | | Pyrene | 1.190 | 1.120 | 1.131 | 1.207 | 1.242 | 1.219 | 1.218 | 1.190 | 3.90 |
| 31) | S | Terphenyl-d14 | 1.077 | 0.997 | 0.916 | 0.968 | 0.988 | 0.964 | 0.960 | 0.981 | 5.04 |
| 32) | | Benzo(a)anthra... | 1.201 | 1.093 | 1.122 | 1.220 | 1.303 | 1.285 | 1.278 | 1.215 | 6.76 |
| 33) | | Chrysene | 1.472 | 1.315 | 1.252 | 1.289 | 1.253 | 1.218 | 1.199 | 1.285 | 7.10 |
| 34) | | Bis(2-ethylhex... | 0.321 | 0.271 | 0.261 | 0.298 | 0.360 | 0.432 | | 0.324 | 19.77 |
| 35) | I | Perylene-d12 | ----------ISTD---------- | | | | | | | | |

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| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 36) | | Indeno(1,2,3-c... | 1.666 | 1.498 | 1.463 | 1.511 | 1.536 | 1.485 | 1.443 | 1.515 | 4.85 |
| 37) | | Benzo(b)fluora... | 1.600 | 1.435 | 1.352 | 1.425 | 1.463 | 1.400 | 1.344 | 1.431 | 6.00 |
| 38) | | Benzo(k)fluora... | 1.543 | 1.340 | 1.273 | 1.347 | 1.330 | 1.267 | 1.232 | 1.333 | 7.66 |
| 39) | C | Benzo(a)pyrene | 1.312 | 1.173 | 1.190 | 1.240 | 1.270 | 1.243 | 1.215 | 1.235 | 3.85 |
| 40) | | Dibenzo(a,h)an... | 1.351 | 1.234 | 1.206 | 1.257 | 1.279 | 1.237 | 1.203 | 1.253 | 4.08 |
| 41) | | Benzo(g,h,i)pe... | 1.409 | 1.282 | 1.244 | 1.285 | 1.309 | 1.279 | 1.249 | 1.294 | 4.29 |

(#) = Out of Range