

Method Path : Z:\HPCHEM1\BNA\_E\METHODS\  
 Method File : 8270-SIM-BE052516.M  
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 Last Update : Wed May 25 19:42:30 2016  
 Response Via : Initial Calibration

## Calibration Files

0.1 =BE091863.D 0.2 =BE091861.D 0.4 =BE091862.D 0.8 =BE091859.D 1.6 =BE091858.D 3.2 =BE091857.D 5 =BE091856.D  
 10 =BE091855.D

|       | Compound              |                | 0.1   | 0.2   | 0.4   | 0.8   | 1.6   | 3.2   | 5     | 10    | Avg   | %RSD |
|-------|-----------------------|----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|
| 1) I  | 1,4-Dichlorobenzen... | -----ISTD----- |       |       |       |       |       |       |       |       |       |      |
| 2)    | 1,4-Dioxane           | 1.170          | 0.882 | 0.685 | 0.764 | 0.585 | 0.584 | 0.588 | 0.641 | 0.737 | 27.59 |      |
| 3)    | n-Nitrosodimet...     | 1.150          | 0.972 | 0.808 | 0.956 | 0.800 | 0.831 | 0.858 | 0.965 | 0.918 | 12.86 |      |
| 4) S  | 2-Fluorophenol        | 1.663          | 1.618 | 1.319 | 1.570 | 1.276 | 1.241 | 1.301 | 1.445 | 1.429 | 11.76 |      |
| 5) S  | Phenol-d6             | 2.075          | 2.026 | 1.652 | 2.020 | 1.695 | 1.700 | 1.790 | 2.033 | 1.874 | 9.64  |      |
| 6)    | bis(2-Chloroet...     | 1.793          | 1.720 | 1.437 | 1.732 | 1.418 | 1.397 | 1.447 | 1.606 | 1.569 | 10.39 |      |
| 7)    | n-Nitroso-di-n...     | 1.690          | 1.532 | 1.249 | 1.595 | 1.317 | 1.284 | 1.388 | 1.560 | 1.452 | 11.25 |      |
| 8) I  | Naphthalene-d8        | -----ISTD----- |       |       |       |       |       |       |       |       |       |      |
| 9) S  | Nitrobenzene-d5       | 0.411          | 0.453 | 0.372 | 0.444 | 0.377 | 0.377 | 0.393 | 0.422 | 0.406 | 7.78  |      |
| 10)   | Nitrobenzene          | 0.415          | 0.409 | 0.346 | 0.439 | 0.373 | 0.370 | 0.392 | 0.407 | 0.394 | 7.55  |      |
| 11)   | bis(2-Chloroet...     | 0.468          | 0.459 | 0.376 | 0.587 | 0.465 | 0.472 | 0.466 | 0.497 | 0.474 | 12.16 |      |
| 12)   | Naphthalene           | 1.315          | 1.234 | 1.019 | 1.197 | 0.976 | 0.946 | 0.965 | 0.988 | 1.080 | 13.41 |      |
| 13)   | Hexachlorobuta...     | 0.199          | 0.192 | 0.162 | 0.186 | 0.151 | 0.145 | 0.146 | 0.149 | 0.166 | 13.52 |      |
| 14)   | 2-Methylnaphth...     | 0.820          | 0.811 | 0.668 | 0.807 | 0.663 | 0.641 | 0.668 | 0.694 | 0.721 | 10.66 |      |
| 15) I | Acenaphthene-d10      | -----ISTD----- |       |       |       |       |       |       |       |       |       |      |
| 16) S | 2,4,6-Tribromo...     | 0.241          | 0.244 | 0.197 | 0.253 | 0.206 | 0.205 | 0.216 | 0.221 | 0.223 | 9.24  |      |
| 17) S | 2-Fluorobiphenyl      | 1.802          | 1.731 | 1.431 | 1.701 | 1.340 | 1.271 | 1.299 | 1.318 | 1.487 | 14.83 |      |
| 18)   | Acenaphthylene        | 3.235          | 2.880 | 2.236 | 2.710 | 2.114 | 2.116 | 2.168 | 2.207 | 2.458 | 17.37 |      |
| 19)   | 2,6-Dinitrotol...     | 0.327          | 0.330 | 0.285 | 0.386 | 0.322 | 0.355 | 0.384 |       | 0.341 | 10.66 |      |
| 20)   | Acenaphthene          | 1.729          | 1.589 | 1.261 | 1.475 | 1.143 | 1.130 | 1.184 | 1.182 | 1.337 | 17.20 |      |
| 21)   | 2,4-Dinitrotol...     | 0.351          | 0.342 | 0.295 | 0.419 | 0.369 | 0.419 | 0.457 | 0.495 | 0.393 | 16.79 |      |
| 22)   | Fluorene              | 2.099          | 1.987 | 1.645 | 1.980 | 1.598 | 1.540 | 1.613 | 1.574 | 1.755 | 12.90 |      |
| 23)   | 4-Chlorophenyl...     | 1.051          | 1.020 | 0.840 | 0.990 | 0.772 | 0.746 | 0.759 |       | 0.883 | 15.09 |      |
| 24) I | Phenanthrene-d10      | -----ISTD----- |       |       |       |       |       |       |       |       |       |      |
| 25)   | 4-Bromophenyl-...     | 0.221          | 0.197 | 0.167 | 0.198 | 0.162 | 0.155 | 0.167 | 0.161 | 0.179 | 13.30 |      |
| 26)   | Hexachlorobenzene     | 0.212          | 0.194 | 0.164 | 0.188 | 0.154 | 0.147 | 0.156 | 0.148 | 0.170 | 14.25 |      |
| 27)   | Pentachlorophenol     | 0.059          | 0.063 | 0.051 | 0.072 | 0.063 | 0.072 | 0.080 |       | 0.066 | 14.76 |      |
| 28)   | Phenanthrene          | 1.399          | 1.228 | 1.007 | 1.176 | 0.951 | 0.925 | 0.943 |       | 1.090 | 16.64 |      |
| 29)   | Anthracene            | 1.192          | 1.105 | 0.913 | 1.111 | 0.920 | 0.901 | 0.944 | 0.906 | 0.999 | 11.72 |      |
| 30)   | Fluoranthene          | 1.580          | 1.439 | 1.164 | 1.386 | 1.140 | 1.086 | 1.116 |       | 1.273 | 15.17 |      |
| 31) I | Chrysene-d12          | -----ISTD----- |       |       |       |       |       |       |       |       |       |      |
| 32)   | Benzidine             | 0.302          | 0.370 | 0.321 | 0.466 | 0.392 | 0.422 | 0.464 | 0.464 | 0.400 | 16.36 |      |
| 33)   | Pyrene                | 1.192          | 1.233 | 0.976 | 1.205 | 0.985 | 0.954 | 1.007 | 0.940 | 1.061 | 11.77 |      |

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|-------|-------------------|----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 34) S | Terphenyl-d14     | 0.857          | 0.857 | 0.712 | 0.865 | 0.705 | 0.690 | 0.694 | 0.659 | 0.755 | 11.68 |
| 35)   | Benzo(a)anthra... | 1.558          | 1.594 | 1.256 | 1.486 | 1.214 | 1.237 | 1.190 | 1.126 | 1.333 | 13.75 |
| 36)   | 3,3'-Dichlorob... | 0.881          | 0.843 | 0.663 | 0.841 | 0.661 | 0.645 | 0.680 | 0.641 | 0.732 | 14.12 |
| 37)   | Chrysene          | 1.385          | 1.462 | 1.197 | 1.459 | 1.085 | 1.026 | 0.942 |       | 1.222 | 17.57 |
| 38)   | Bis(2-ethylhex... | 0.557          | 0.549 | 0.413 | 0.556 | 0.448 | 0.440 | 0.468 | 0.439 | 0.484 | 12.45 |
| 39)   | Indeno(1,2,3-c... | 1.426          | 1.457 | 1.167 | 1.442 | 1.136 | 1.114 | 1.142 | 1.115 | 1.250 | 12.81 |
| 40) I | Perylene-d12      | -----ISTD----- |       |       |       |       |       |       |       |       |       |
| 41)   | Benzo(b)fluora... | 1.613          | 1.566 | 1.182 | 1.435 | 1.304 | 1.204 | 1.244 | 1.245 | 1.349 | 12.43 |
| 42)   | Benzo(k)fluora... | 1.421          | 1.324 | 1.258 | 1.479 | 1.059 | 1.070 | 1.109 | 1.077 | 1.225 | 13.84 |
| 43) C | Benzo(a)pyrene    | 1.427          | 1.363 | 1.143 | 1.381 | 1.123 | 1.097 | 1.116 | 1.132 | 1.223 | 11.50 |
| 44)   | Dibenzo(a,h)an... | 1.353          | 1.302 | 1.103 | 1.327 | 1.081 | 1.053 | 1.080 | 1.076 | 1.172 | 11.10 |
| 45)   | Benzo(g,h,i)pe... | 1.407          | 1.344 | 1.122 | 1.340 | 1.087 | 1.049 | 1.086 | 1.078 | 1.189 | 12.37 |

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(# ) = Out of Range