

Method Path : Z:\HPCHEM1\BNA\_E\METHODS\  
 Method File : 8270-SIM-BE121417.M  
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 Last Update : Wed Dec 27 12:15:11 2017  
 Response Via : Initial Calibration

## Calibration Files

0.1 =BE094976.D 0.2 =BE094977.D 0.4 =BE094978.D 0.8 =BE094979.D 1.6 =BE094980.D  
 3.2 =BE094981.D

| Compound  |                       | 0.1            | 0.2   | 0.4   | 0.8   | 1.6   | 3.2   | Avg   | %RSD  |
|-----------|-----------------------|----------------|-------|-------|-------|-------|-------|-------|-------|
| -----     |                       |                |       |       |       |       |       |       |       |
| 1) I      | 1,4-Dichlorobenzen... | -----ISTD----- |       |       |       |       |       |       |       |
| 2)        | 1,4-Dioxane           | 0.400          | 0.427 | 0.418 | 0.385 | 0.387 | 0.348 | 0.394 | 7.14  |
| 3)        | n-Nitrosodimet...     | 0.467          | 0.407 | 0.468 | 0.465 | 0.507 | 0.481 | 0.466 | 7.09  |
| 4) S      | 2-Fluorophenol        | 0.681          | 0.637 | 0.596 | 0.588 | 0.623 | 0.601 | 0.621 | 5.57  |
| 5) S      | Phenol-d6             | 0.922          | 0.929 | 0.895 | 0.905 | 0.949 | 0.938 | 0.923 | 2.20  |
| 6)        | bis(2-Chloroet...     | 0.896          | 0.902 | 0.890 | 0.883 | 0.932 | 0.901 | 0.901 | 1.85  |
|           |                       |                |       |       |       |       |       |       |       |
| 7) I      | Naphthalene-d8        | -----ISTD----- |       |       |       |       |       |       |       |
| 8) S      | Nitrobenzene-d5       | 0.325          | 0.321 | 0.314 | 0.309 | 0.345 | 0.357 | 0.328 | 5.72  |
| 9)        | Naphthalene           | 4.697          | 4.747 | 4.676 | 4.636 | 4.827 | 4.601 | 4.697 | 1.72  |
| 10)       | Hexachlorobuta...     | 0.215          | 0.213 | 0.214 | 0.209 | 0.217 | 0.212 | 0.214 | 1.29  |
| 11) SURR2 | 2-Methylnaphth...     | 0.647          | 0.643 | 0.648 | 0.646 | 0.683 | 0.664 | 0.655 | 2.39  |
| 12)       | 2-Methylnaphth...     | 1.219          | 1.197 | 1.157 | 1.133 | 1.191 | 1.133 | 1.172 | 3.07  |
|           |                       |                |       |       |       |       |       |       |       |
| 13) I     | Acenaphthene-d10      | -----ISTD----- |       |       |       |       |       |       |       |
| 14) S     | 2,4,6-Tribromo...     | 0.087          | 0.082 | 0.087 | 0.092 | 0.117 |       | 0.093 | 14.76 |
| 15) S     | 2-Fluorobiphenyl      | 1.834          | 1.700 | 1.801 | 1.717 | 1.818 | 1.764 | 1.772 | 3.10  |
| 16)       | Acenaphthylene        | 2.010          | 2.004 | 2.045 | 2.097 | 2.336 | 2.336 | 2.138 | 7.34  |
| 17)       | Acenaphthene          | 1.378          | 1.408 | 1.407 | 1.380 | 1.479 | 1.456 | 1.418 | 2.90  |
| 18)       | Fluorene              | 1.687          | 1.728 | 1.723 | 1.767 | 1.860 | 1.807 | 1.762 | 3.58  |
|           |                       |                |       |       |       |       |       |       |       |
| 19) I     | Phenanthrene-d10      | -----ISTD----- |       |       |       |       |       |       |       |
| 20)       | 4-Bromophenyl-...     | 0.226          | 0.226 | 0.226 | 0.230 | 0.252 | 0.246 | 0.234 | 4.97  |
| 21)       | Hexachlorobenzene     | 0.242          | 0.236 | 0.235 | 0.233 | 0.251 | 0.240 | 0.239 | 2.66  |
| 22)       | Pentachlorophenol     | 0.040          | 0.040 | 0.044 | 0.048 | 0.058 |       | 0.046 | 16.39 |
| 23)       | Phenanthrene          | 1.248          | 1.216 | 1.208 | 1.230 | 1.311 | 1.265 | 1.246 | 3.06  |
| 24)       | Anthracene            | 1.292          | 1.234 | 1.205 | 1.236 | 1.334 | 1.372 | 1.279 | 5.09  |
| 25) SURR  | Fluoranthene-d10      | 5.208          | 4.864 | 4.946 | 5.018 | 5.518 | 5.578 | 5.189 | 5.80  |
| 26)       | Fluoranthene          | 1.469          | 1.408 | 1.485 | 1.520 | 1.666 | 1.682 | 1.538 | 7.22  |
|           |                       |                |       |       |       |       |       |       |       |
| 27) I     | Chrysene-d12          | -----ISTD----- |       |       |       |       |       |       |       |
| 28)       | Pyrene                | 1.309          | 1.380 | 1.398 | 1.324 | 1.425 | 1.296 | 1.355 | 3.90  |
| 29) S     | Terphenyl-d14         | 0.734          | 0.750 | 0.757 | 0.747 | 0.791 | 0.740 | 0.753 | 2.66  |
| 30)       | Benzo(a)anthra...     | 1.178          | 1.121 | 1.150 | 1.135 | 1.241 | 1.189 | 1.169 | 3.75  |
| 31)       | Chrysene              | 1.377          | 1.373 | 1.314 | 1.251 | 1.336 | 1.242 | 1.316 | 4.45  |
| 32)       | Bis(2-ethylhex...     | 1.621          | 1.352 | 1.329 | 1.274 | 1.568 | 1.793 | 1.489 | 13.65 |
| 33)       | Indeno(1,2,3-c...     | 1.080          | 1.073 | 1.088 | 1.001 | 1.116 | 1.068 | 1.071 | 3.56  |
|           |                       |                |       |       |       |       |       |       |       |
| 34) I     | Perylene-d12          | -----ISTD----- |       |       |       |       |       |       |       |
| 35)       | Benzo(b)fluora...     | 1.420          | 1.433 | 1.474 | 1.415 | 1.588 | 1.485 | 1.469 | 4.40  |
| 36)       | Benzo(k)fluora...     | 1.411          | 1.414 | 1.414 | 1.496 | 1.588 | 1.606 | 1.488 | 6.07  |
| 37) C     | Benzo(a)pyrene        | 1.261          | 1.268 | 1.295 | 1.247 | 1.388 | 1.359 | 1.303 | 4.42  |
| 38)       | Dibenzo(a,h)an...     | 1.092          | 1.159 | 1.193 | 1.186 | 1.323 | 1.298 | 1.209 | 7.21  |
| 39)       | Benzo(g,h,i)pe...     | 1.124          | 1.166 | 1.178 | 1.183 | 1.300 | 1.269 | 1.203 | 5.57  |

(#) = Out of Range