

Method Path : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\  
 Method File : 8270-SIM-BN062320.M  
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 Last Update : Wed Mar 25 10:49:04 2015  
 Response Via : Initial Calibration

## Calibration Files

0.1 =BN011030.D 0.2 =BN011031.D 0.4 =BN011032.D 0.8 =BN011033.D 1.6 =BN011034.D 3.2 =BN011035.D 5 =BN011036.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           | 0.505          | 0.573 | 0.582 | 0.514 | 0.602 | 0.525 | 0.462 | 0.538 | 9.26  |
| 3)        | n-Nitrosodimet...     | 0.261          | 0.321 | 0.281 | 0.334 | 0.315 | 0.288 | 0.300 |       | 9.31  |
| 4) S      | 2-Fluorophenol        | 1.303          | 1.134 | 1.207 | 1.015 | 1.169 | 1.070 | 0.994 | 1.127 | 9.76  |
| 5) S      | Phenol-d6             | 1.515          | 1.412 | 1.446 | 1.134 | 1.466 | 1.198 | 1.172 | 1.335 | 11.97 |
| 6)        | bis(2-Chloroet...     | 1.326          | 1.320 | 1.260 | 1.008 | 1.196 | 1.024 | 0.939 | 1.153 | 13.91 |
|           |                       |                |       |       |       |       |       |       |       |       |
| 7) I      | Naphthalene-d8        | -----ISTD----- |       |       |       |       |       |       |       |       |
| 8) S      | Nitrobenzene-d5       | 0.410          | 0.362 | 0.414 | 0.338 | 0.374 | 0.350 | 0.303 | 0.364 | 10.79 |
| 9)        | Naphthalene           | 1.322          | 1.302 | 1.196 | 1.304 | 1.228 | 1.134 | 1.019 | 1.215 | 9.06  |
| 10)       | Hexachlorobuta...     | 0.319          | 0.320 | 0.303 | 0.304 | 0.298 | 0.272 | 0.233 | 0.293 | 10.56 |
| 11) SURR2 | Methylnaphth...       | 0.770          | 0.844 | 0.750 | 0.647 | 0.712 | 0.656 | 0.560 | 0.706 | 13.25 |
| 12)       | 2-Methylnaphth...     | 0.891          | 0.946 | 0.859 | 0.752 | 0.829 | 0.768 | 0.650 | 0.814 | 12.14 |
|           |                       |                |       |       |       |       |       |       |       |       |
| 13) I     | Acenaphthene-d10      | -----ISTD----- |       |       |       |       |       |       |       |       |
| 14) S     | 2,4,6-Tribromo...     | 0.193          | 0.176 | 0.176 | 0.162 | 0.185 | 0.179 | 0.159 | 0.176 | 6.80  |
| 15) S     | 2-Fluorobiphenyl      | 2.072          | 1.908 | 1.942 | 1.686 | 2.213 | 1.763 | 1.475 | 1.866 | 13.25 |
| 16)       | Acenaphthylene        | 2.155          | 2.036 | 1.990 | 1.790 | 2.136 | 2.018 | 1.987 | 2.016 | 5.96  |
| 17)       | Acenaphthene          | 1.515          | 1.452 | 1.372 | 1.262 | 1.387 | 1.280 | 1.210 | 1.354 | 8.08  |
| 18)       | Fluorene              | 1.968          | 1.890 | 1.751 | 1.507 | 1.750 | 1.840 | 1.383 | 1.727 | 12.18 |
|           |                       |                |       |       |       |       |       |       |       |       |
| 19) I     | Phenanthrene-d10      | -----ISTD----- |       |       |       |       |       |       |       |       |
| 20)       | 4,6-Dinitro-2-...     | 0.054          | 0.055 | 0.062 | 0.060 | 0.070 | 0.087 | 0.081 | 0.067 | 18.95 |
| 21)       | 4-Bromophenyl-...     | 0.303          | 0.262 | 0.286 | 0.261 | 0.306 | 0.262 | 0.256 | 0.277 | 7.82  |
| 22)       | Hexachlorobenzene     | 0.349          | 0.311 | 0.321 | 0.293 | 0.318 | 0.282 | 0.267 | 0.306 | 8.96  |
| 23)       | Atrazine              | 0.222          | 0.192 | 0.201 | 0.190 | 0.221 | 0.202 | 0.202 | 0.204 | 6.14  |
| 24)       | Pentachlorophenol     | 0.093          | 0.097 | 0.084 | 0.103 | 0.100 | 0.100 | 0.104 | 0.097 | 7.94  |
| 25)       | Phenanthrene          | 1.504          | 1.400 | 1.389 | 1.291 | 1.351 | 1.282 | 1.219 | 1.348 | 6.96  |
| 26)       | Anthracene            | 1.190          | 1.099 | 1.120 | 1.063 | 1.141 | 1.117 | 1.100 | 1.119 | 3.56  |
| 27) SURR  | Fluoranthene-d10      | 1.464          | 1.178 | 1.265 | 1.172 | 1.261 | 1.252 | 1.264 | 1.265 | 7.63  |
| 28)       | Fluoranthene          | 1.771          | 1.406 | 1.596 | 1.440 | 1.522 | 1.540 | 1.510 | 1.541 | 7.77  |
|           |                       |                |       |       |       |       |       |       |       |       |
| 29) I     | Chrysene-d12          | -----ISTD----- |       |       |       |       |       |       |       |       |
| 30)       | Pyrene                | 1.782          | 1.654 | 1.558 | 1.468 | 1.458 | 1.586 | 1.269 | 1.539 | 10.58 |
| 31) S     | Terphenyl-d14         | 1.230          | 1.176 | 1.108 | 1.016 | 1.027 | 1.093 | 0.869 | 1.074 | 11.00 |
| 32)       | Benzo(a)anthra...     | 1.540          | 1.419 | 1.427 | 1.274 | 1.395 | 1.341 | 1.303 | 1.386 | 6.45  |
| 33)       | Chrysene              | 1.740          | 1.736 | 1.525 | 1.422 | 1.493 | 1.355 | 1.303 | 1.511 | 11.43 |
| 34)       | Bis(2-ethylhex...     | 0.677          | 0.605 | 0.568 | 0.492 | 0.530 | 0.511 | 0.516 | 0.557 | 11.73 |
| 35)       | Indeno(1,2,3-c...     | 1.684          | 1.790 | 1.785 | 1.747 | 1.783 | 1.602 | 1.372 | 1.680 | 9.05  |

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| 36) I | Perylene-d12      |       |       |       |       |       |       |       |       |       |  |
|-------|-------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--|
| 37)   | Benzo(b)fluora... | 1.768 | 1.656 | 1.400 | 1.536 | 1.675 | 1.546 | 1.491 | 1.582 | 7.90  |  |
| 38)   | Benzo(k)fluora... | 1.821 | 1.856 | 1.408 | 1.605 | 1.740 | 1.587 | 1.497 | 1.645 | 10.15 |  |
| 39) C | Benzo(a)pyrene    | 1.512 | 1.472 | 1.422 | 1.315 | 1.447 | 1.357 | 1.311 | 1.405 | 5.61  |  |
| 40)   | Dibenzo(a,h)an... | 1.565 | 1.520 | 1.341 | 1.556 | 1.744 | 1.488 | 1.389 | 1.515 | 8.67  |  |
| 41)   | Benzo(g,h,i)pe... | 1.724 | 1.633 | 1.340 | 1.663 | 1.617 | 1.640 | 1.368 | 1.569 | 9.63  |  |

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(#) = Out of Range