

Data Path : Z:\HPCHEM1\BNA\_G\Data\BG060815\  
 Data File : BG017553.D  
 Acq On : 9 Jun 2015 1:23  
 Operator : TP/IZ  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTDCCC040

Quant Time: Jun 09 04:10:13 2015  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG060315.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jun 09 02:10:45 2015  
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
 Max. RRF Dev : 25% Max. Rel. Area : 150%

|      | Compound                    | AvgRF | CCRF  | %Dev  | Area% | Dev(min) |
|------|-----------------------------|-------|-------|-------|-------|----------|
| 1 I  | 1,4-Dichlorobenzene-d4      | 1.000 | 1.000 | 0.0   | 107   | -0.01    |
| 2    | 1,4-Dioxane                 | 0.511 | 0.490 | 4.1   | 108   | 0.00     |
| 3    | Pyridine                    | 1.365 | 1.188 | 13.0  | 90    | 0.00     |
| 4    | n-Nitrosodimethylamine      | 0.895 | 1.076 | -20.2 | 123   | 0.00     |
| 5 S  | 2-Fluorophenol              | 1.135 | 1.086 | 4.3   | 102   | 0.00     |
| 6    | Aniline                     | 2.076 | 2.032 | 2.1   | 104   | 0.00     |
| 7 S  | Phenol-d6                   | 1.547 | 1.454 | 6.0   | 98    | 0.00     |
| 8    | 2-Chlorophenol              | 1.342 | 1.307 | 2.6   | 105   | 0.00     |
| 9    | Benzaldehyde                | 1.050 | 0.977 | 7.0   | 95    | 0.00     |
| 10 C | Phenol                      | 1.589 | 1.555 | 2.1   | 100   | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 1.210 | 1.201 | 0.7   | 104   | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 1.501 | 1.465 | 2.4   | 105   | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 1.573 | 1.528 | 2.9   | 104   | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 1.472 | 1.473 | -0.1  | 107   | 0.00     |
| 15   | Benzyl Alcohol              | 1.440 | 1.398 | 2.9   | 99    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 2.040 | 1.953 | 4.3   | 101   | 0.00     |
| 17   | 2-Methylphenol              | 1.205 | 1.180 | 2.1   | 103   | -0.01    |
| 18   | Hexachloroethane            | 0.627 | 0.669 | -6.7  | 112   | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 1.308 | 1.290 | 1.4   | 104   | 0.00     |
| 20   | 3+4-Methylphenols           | 1.668 | 1.663 | 0.3   | 103   | -0.01    |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0   | 104   | 0.00     |
| 22   | Acetophenone                | 0.490 | 0.500 | -2.0  | 104   | 0.00     |
| 23 S | Nitrobenzene-d5             | 0.401 | 0.420 | -4.7  | 105   | 0.00     |
| 24   | Nitrobenzene                | 0.416 | 0.441 | -6.0  | 108   | 0.00     |
| 25   | Isophorone                  | 0.838 | 0.787 | 6.1   | 97    | 0.00     |
| 26 C | 2-Nitrophenol               | 0.193 | 0.201 | -4.1  | 104   | -0.01    |
| 27   | 2,4-Dimethylphenol          | 0.314 | 0.313 | 0.3   | 102   | -0.01    |
| 28   | bis(2-Chloroethoxy)methane  | 0.383 | 0.368 | 3.9   | 96    | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 0.306 | 0.323 | -5.6  | 106   | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 0.359 | 0.371 | -3.3  | 107   | -0.01    |
| 31   | Naphthalene                 | 1.045 | 1.056 | -1.1  | 104   | 0.00     |
| 32   | Benzoic acid                | 0.198 | 0.202 | -2.0  | 101   | -0.01    |
| 33   | 4-Chloroaniline             | 0.464 | 0.447 | 3.7   | 98    | -0.01    |
| 34 C | Hexachlorobutadiene         | 0.234 | 0.252 | -7.7  | 110   | 0.00     |
| 35   | Caprolactam                 | 0.168 | 0.143 | 14.9  | 82    | -0.02    |
| 36 C | 4-Chloro-3-methylphenol     | 0.398 | 0.387 | 2.8   | 97    | -0.01    |
| 37   | 2-Methylnaphthalene         | 0.803 | 0.808 | -0.6  | 102   | 0.00     |
| 38 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0   | 107   | -0.01    |
| 39   | 1,2,4,5-Tetrachlorobenzene  | 0.609 | 0.604 | 0.8   | 108   | -0.01    |
| 40 P | Hexachlorocyclopentadiene   | 0.304 | 0.263 | 13.5  | 87    | 0.00     |
| 41 S | 2,4,6-Tribromophenol        | 0.278 | 0.282 | -1.4  | 105   | -0.01    |
| 42 C | 2,4,6-Trichlorophenol       | 0.436 | 0.443 | -1.6  | 102   | -0.01    |
| 43   | 2,4,5-Trichlorophenol       | 0.477 | 0.475 | 0.4   | 106   | -0.02    |
| 44 S | 2-Fluorobiphenyl            | 1.326 | 1.344 | -1.4  | 107   | -0.01    |

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 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG060315.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jun 09 02:10:45 2015  
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
 Max. RRF Dev : 25% Max. Rel. Area : 150%

|      | Compound                   | AvgRF | CCRF  | %Dev | Area% | Dev(min) |
|------|----------------------------|-------|-------|------|-------|----------|
| 45   | 1,1'-Biphenyl              | 1.462 | 1.470 | -0.5 | 105   | -0.01    |
| 46   | 2-Chloronaphthalene        | 1.222 | 1.224 | -0.2 | 102   | -0.01    |
| 47   | 2-Nitroaniline             | 0.451 | 0.457 | -1.3 | 103   | -0.01    |
| 48   | Acenaphthylene             | 2.153 | 2.153 | 0.0  | 104   | -0.01    |
| 49   | Dimethylphthalate          | 1.741 | 1.663 | 4.5  | 99    | -0.01    |
| 50   | 2,6-Dinitrotoluene         | 0.391 | 0.373 | 4.6  | 100   | -0.01    |
| 51 C | Acenaphthene               | 1.269 | 1.263 | 0.5  | 106   | -0.01    |
| 52   | 3-Nitroaniline             | 0.424 | 0.391 | 7.8  | 96    | -0.02    |
| 53 P | 2,4-Dinitrophenol          | 0.205 | 0.202 | 1.5  | 99    | -0.01    |
| 54   | Dibenzofuran               | 1.873 | 1.857 | 0.9  | 102   | -0.01    |
| 55 P | 4-Nitrophenol              | 0.306 | 0.282 | 7.8  | 87    | -0.02    |
| 56   | 2,4-Dinitrotoluene         | 0.557 | 0.552 | 0.9  | 99    | -0.01    |
| 57   | Fluorene                   | 1.698 | 1.729 | -1.8 | 106   | -0.01    |
| 58   | 2,3,4,6-Tetrachlorophenol  | 0.435 | 0.447 | -2.8 | 102   | -0.01    |
| 59   | Diethylphthalate           | 1.890 | 1.789 | 5.3  | 99    | -0.01    |
| 60   | 4-Chlorophenyl-phenylether | 0.860 | 0.878 | -2.1 | 107   | -0.01    |
| 61   | 4-Nitroaniline             | 0.466 | 0.412 | 11.6 | 87    | -0.01    |
| 62   | Azobenzene                 | 1.796 | 1.863 | -3.7 | 107   | -0.01    |
| 63 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0  | 101   | -0.02    |
| 64   | 4,6-Dinitro-2-methylphenol | 0.148 | 0.149 | -0.7 | 100   | 0.00     |
| 65 c | n-Nitrosodiphenylamine     | 0.597 | 0.604 | -1.2 | 101   | -0.01    |
| 66   | 4-Bromophenyl-phenylether  | 0.221 | 0.231 | -4.5 | 108   | -0.02    |
| 67   | Hexachlorobenzene          | 0.238 | 0.250 | -5.0 | 107   | -0.01    |
| 68   | Atrazine                   | 0.263 | 0.262 | 0.4  | 98    | -0.01    |
| 69 C | Pentachlorophenol          | 0.128 | 0.120 | 6.3  | 91    | -0.02    |
| 70   | Phenanthrene               | 1.115 | 1.127 | -1.1 | 103   | -0.02    |
| 71   | Anthracene                 | 1.114 | 1.117 | -0.3 | 103   | -0.01    |
| 72   | Carbazole                  | 1.100 | 1.077 | 2.1  | 100   | -0.02    |
| 73   | Di-n-butylphthalate        | 1.409 | 1.404 | 0.4  | 100   | -0.02    |
| 74 C | Fluoranthene               | 1.458 | 1.456 | 0.1  | 102   | -0.02    |
| 75 I | Chrysene-d12               | 1.000 | 1.000 | 0.0  | 103   | -0.02    |
| 76   | Benzidine                  | 0.687 | 0.615 | 10.5 | 85    | -0.02    |
| 77   | Pyrene                     | 1.232 | 1.255 | -1.9 | 102   | -0.02    |
| 78 S | Terphenyl-d14              | 0.968 | 1.015 | -4.9 | 106   | -0.02    |
| 79   | Butylbenzylphthalate       | 0.533 | 0.536 | -0.6 | 100   | -0.02    |
| 80   | Benzo(a)anthracene         | 1.230 | 1.263 | -2.7 | 103   | -0.02    |
| 81   | 3,3'-Dichlorobenzidine     | 0.460 | 0.475 | -3.3 | 102   | -0.02    |
| 82   | Chrysene                   | 1.114 | 1.132 | -1.6 | 102   | -0.02    |
| 83   | Bis(2-ethylhexyl)phthalate | 0.769 | 0.794 | -3.3 | 103   | -0.02    |
| 84 c | Di-n-octyl phthalate       | 1.289 | 1.270 | 1.5  | 100   | -0.02    |
| 85   | Indeno(1,2,3-cd)pyrene     | 1.399 | 1.448 | -3.5 | 104   | -0.05    |
| 86 I | Perylene-d12               | 1.000 | 1.000 | 0.0  | 101   | -0.03    |
| 87   | Benzo(b)fluoranthene       | 1.267 | 1.331 | -5.1 | 103   | -0.03    |

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Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
Max. RRF Dev : 25% Max. Rel. Area : 150%

|      | Compound               | AvgRF | CCRF  | %Dev | Area% | Dev(min) |
|------|------------------------|-------|-------|------|-------|----------|
| 88   | Benzo(k)fluoranthene   | 1.213 | 1.240 | -2.2 | 105   | -0.03    |
| 89 C | Benzo(a)pyrene         | 1.162 | 1.205 | -3.7 | 103   | -0.03    |
| 90   | Dibenzo(a,h)anthracene | 1.208 | 1.257 | -4.1 | 104   | -0.05    |
| 91   | Benzo(g,h,i)perylene   | 1.150 | 1.168 | -1.6 | 103   | -0.06    |

(#) = Out of Range

SPCC's out = 0 CCC's out = 0