

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG052615\  
 Data File : BG017277.D  
 Acq On : 26 May 2015 14:11  
 Operator : TP/IZ  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTDCCC040

Quant Time: May 27 03:15:32 2015  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG051315.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed May 27 03:15:10 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   | 61    | -0.05    |
| 2    | 1,4-Dioxane                 | 0.445 | 0.423 | 4.9   | 59    | -0.06    |
| 3    | Pyridine                    | 1.346 | 1.309 | 2.7   | 57    | -0.05    |
| 4    | n-Nitrosodimethylamine      | 1.021 | 0.897 | 12.1  | 52    | -0.05    |
| 5 S  | 2-Fluorophenol              | 1.127 | 1.107 | 1.8   | 58    | -0.05    |
| 6    | Aniline                     | 2.189 | 2.014 | 8.0   | 54    | -0.04    |
| 7 S  | Phenol-d6                   | 1.582 | 1.545 | 2.3   | 57    | -0.04    |
| 8    | 2-Chlorophenol              | 1.349 | 1.297 | 3.9   | 57    | -0.04    |
| 9    | Benzaldehyde                | 1.041 | 0.930 | 10.7  | 54    | -0.05    |
| 10 C | Phenol                      | 1.678 | 1.648 | 1.8   | 58    | -0.04    |
| 11   | bis(2-Chloroethyl)ether     | 1.258 | 1.215 | 3.4   | 56    | -0.04    |
| 12   | 1,3-Dichlorobenzene         | 1.506 | 1.381 | 8.3   | 56    | -0.05    |
| 13 C | 1,4-Dichlorobenzene         | 1.520 | 1.429 | 6.0   | 57    | -0.05    |
| 14   | 1,2-Dichlorobenzene         | 1.452 | 1.367 | 5.9   | 56    | -0.05    |
| 15   | Benzyl Alcohol              | 1.537 | 1.387 | 9.8   | 53    | -0.04    |
| 16   | 2,2'-oxybis(1-Chloropropane | 2.040 | 1.869 | 8.4   | 55    | -0.04    |
| 17   | 2-Methylphenol              | 1.216 | 1.125 | 7.5   | 56    | -0.04    |
| 18   | Hexachloroethane            | 0.635 | 0.579 | 8.8   | 55    | -0.05    |
| 19 P | n-Nitroso-di-n-propylamine  | 1.378 | 1.239 | 10.1  | 53    | -0.04    |
| 20   | 3+4-Methylphenols           | 1.691 | 1.612 | 4.7   | 56    | -0.04    |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0   | 56    | -0.05    |
| 22   | Acetophenone                | 0.485 | 0.476 | 1.9   | 54    | -0.05    |
| 23 S | Nitrobenzene-d5             | 0.428 | 0.425 | 0.7   | 54    | -0.04    |
| 24   | Nitrobenzene                | 0.419 | 0.406 | 3.1   | 54    | -0.05    |
| 25   | Isophorone                  | 0.790 | 0.775 | 1.9   | 53    | -0.04    |
| 26 C | 2-Nitrophenol               | 0.187 | 0.192 | -2.7  | 56    | -0.05    |
| 27   | 2,4-Dimethylphenol          | 0.308 | 0.305 | 1.0   | 56    | -0.04    |
| 28   | bis(2-Chloroethoxy)methane  | 0.384 | 0.373 | 2.9   | 53    | -0.05    |
| 29 C | 2,4-Dichlorophenol          | 0.291 | 0.311 | -6.9  | 58    | -0.05    |
| 30   | 1,2,4-Trichlorobenzene      | 0.330 | 0.321 | 2.7   | 53    | -0.05    |
| 31   | Naphthalene                 | 0.979 | 0.976 | 0.3   | 54    | -0.05    |
| 32   | Benzoic acid                | 0.209 | 0.216 | -3.3  | 56    | -0.04    |
| 33   | 4-Chloroaniline             | 0.463 | 0.458 | 1.1   | 53    | -0.05    |
| 34 C | Hexachlorobutadiene         | 0.209 | 0.205 | 1.9   | 53    | -0.05    |
| 35   | Caprolactam                 | 0.146 | 0.165 | -13.0 | 64    | -0.02    |
| 36 C | 4-Chloro-3-methylphenol     | 0.368 | 0.390 | -6.0  | 57    | -0.04    |
| 37   | 2-Methylnaphthalene         | 0.776 | 0.739 | 4.8   | 54    | -0.05    |
| 38 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0   | 56    | -0.04    |
| 39   | 1,2,4,5-Tetrachlorobenzene  | 0.566 | 0.563 | 0.5   | 54    | -0.04    |
| 40 P | Hexachlorocyclopentadiene   | 0.345 | 0.314 | 9.0   | 50#   | -0.05    |
| 41 S | 2,4,6-Tribromophenol        | 0.242 | 0.273 | -12.8 | 62    | -0.04    |
| 42 C | 2,4,6-Trichlorophenol       | 0.401 | 0.429 | -7.0  | 57    | -0.04    |
| 43   | 2,4,5-Trichlorophenol       | 0.414 | 0.461 | -11.4 | 61    | -0.04    |
| 44 S | 2-Fluorobiphenyl            | 1.363 | 1.366 | -0.2  | 55    | -0.04    |

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|      | Compound                   | AvgRF | CCRF  | %Dev  | Area% | Dev(min) |
|------|----------------------------|-------|-------|-------|-------|----------|
| 45   | 1,1'-Biphenyl              | 1.441 | 1.391 | 3.5   | 53    | -0.04    |
| 46   | 2-Chloronaphthalene        | 1.141 | 1.127 | 1.2   | 54    | -0.04    |
| 47   | 2-Nitroaniline             | 0.444 | 0.482 | -8.6  | 60    | -0.04    |
| 48   | Acenaphthylene             | 1.953 | 1.996 | -2.2  | 55    | -0.04    |
| 49   | Dimethylphthalate          | 1.564 | 1.638 | -4.7  | 58    | -0.04    |
| 50   | 2,6-Dinitrotoluene         | 0.347 | 0.377 | -8.6  | 58    | -0.04    |
| 51 C | Acenaphthene               | 1.154 | 1.155 | -0.1  | 55    | -0.04    |
| 52   | 3-Nitroaniline             | 0.384 | 0.427 | -11.2 | 61    | -0.04    |
| 53 P | 2,4-Dinitrophenol          | 0.201 | 0.206 | -2.5  | 53    | -0.03    |
| 54   | Dibenzofuran               | 1.715 | 1.739 | -1.4  | 56    | -0.04    |
| 55 P | 4-Nitrophenol              | 0.310 | 0.359 | -15.8 | 65    | -0.03    |
| 56   | 2,4-Dinitrotoluene         | 0.483 | 0.562 | -16.4 | 63    | -0.04    |
| 57   | Fluorene                   | 1.518 | 1.566 | -3.2  | 56    | -0.04    |
| 58   | 2,3,4,6-Tetrachlorophenol  | 0.380 | 0.427 | -12.4 | 60    | -0.04    |
| 59   | Diethylphthalate           | 1.680 | 1.763 | -4.9  | 59    | -0.04    |
| 60   | 4-Chlorophenyl-phenylether | 0.780 | 0.816 | -4.6  | 57    | -0.04    |
| 61   | 4-Nitroaniline             | 0.429 | 0.499 | -16.3 | 63    | -0.04    |
| 62   | Azobenzene                 | 1.605 | 1.630 | -1.6  | 56    | -0.04    |
| 63 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0   | 61    | -0.04    |
| 64   | 4,6-Dinitro-2-methylphenol | 0.137 | 0.147 | -7.3  | 62    | -0.03    |
| 65 c | n-Nitrosodiphenylamine     | 0.614 | 0.604 | 1.6   | 59    | -0.04    |
| 66   | 4-Bromophenyl-phenylether  | 0.218 | 0.213 | 2.3   | 59    | -0.04    |
| 67   | Hexachlorobenzene          | 0.230 | 0.228 | 0.9   | 59    | -0.04    |
| 68   | Atrazine                   | 0.225 | 0.238 | -5.8  | 62    | -0.04    |
| 69 C | Pentachlorophenol          | 0.144 | 0.140 | 2.8   | 57    | -0.04    |
| 70   | Phenanthrene               | 1.031 | 1.063 | -3.1  | 61    | -0.04    |
| 71   | Anthracene                 | 1.045 | 1.074 | -2.8  | 61    | -0.04    |
| 72   | Carbazole                  | 0.960 | 1.026 | -6.9  | 64    | -0.04    |
| 73   | Di-n-butylphthalate        | 1.285 | 1.392 | -8.3  | 65    | -0.04    |
| 74 C | Fluoranthene               | 1.239 | 1.309 | -5.6  | 63    | -0.04    |
| 75 I | Chrysene-d12               | 1.000 | 1.000 | 0.0   | 69    | -0.04    |
| 76   | Benzidine                  | 0.653 | 0.524 | 19.8  | 52    | -0.04    |
| 77   | Pyrene                     | 1.227 | 1.191 | 2.9   | 65    | -0.04    |
| 78 S | Terphenyl-d14              | 0.960 | 0.975 | -1.6  | 68    | -0.04    |
| 79   | Butylbenzylphthalate       | 0.558 | 0.554 | 0.7   | 66    | -0.04    |
| 80   | Benzo(a)anthracene         | 1.146 | 1.153 | -0.6  | 67    | -0.04    |
| 81   | 3,3'-Dichlorobenzidine     | 0.444 | 0.448 | -0.9  | 68    | -0.04    |
| 82   | Chrysene                   | 1.068 | 1.078 | -0.9  | 68    | -0.04    |
| 83   | Bis(2-ethylhexyl)phthalate | 0.793 | 0.779 | 1.8   | 64    | -0.04    |
| 84 c | Di-n-octyl phthalate       | 1.320 | 1.314 | 0.5   | 67    | -0.04    |
| 85   | Indeno(1,2,3-cd)pyrene     | 1.277 | 1.305 | -2.2  | 68    | -0.08    |
| 86 I | Perylene-d12               | 1.000 | 1.000 | 0.0   | 66    | -0.06    |
| 87   | Benzo(b)fluoranthene       | 1.166 | 1.167 | -0.1  | 67    | -0.05    |

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| 88   | Benzo(k)fluoranthene   | 1.107 | 1.133 | -2.3 | 66    | -0.05    |
| 89 C | Benzo(a)pyrene         | 1.071 | 1.093 | -2.1 | 67    | -0.05    |
| 90   | Dibenzo(a,h)anthracene | 1.099 | 1.143 | -4.0 | 69    | -0.09    |
| 91   | Benzo(g,h,i)perylene   | 1.035 | 1.059 | -2.3 | 67    | -0.09    |

(#) = Out of Range

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