

Data Path : Z:\HPCHEM1\BNA\_G\Data\BG061115\  
 Data File : BG017628.D  
 Acq On : 12 Jun 2015 2:18  
 Operator : TP/IZ  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTDCCC040

Quant Time: Jun 12 03:31:54 2015  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG060315.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jun 12 01:16:03 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    | 113   | -0.08    |
| 2    | 1,4-Dioxane                 | 0.511 | 0.493 | 3.5    | 114   | -0.09    |
| 3    | Pyridine                    | 1.365 | 1.271 | 6.9    | 101   | -0.09    |
| 4    | n-Nitrosodimethylamine      | 0.895 | 1.250 | -39.7# | 151#  | -0.09    |
| 5 S  | 2-Fluorophenol              | 1.135 | 1.079 | 4.9    | 106   | -0.09    |
| 6    | Aniline                     | 2.076 | 2.060 | 0.8    | 111   | -0.08    |
| 7 S  | Phenol-d6                   | 1.547 | 1.475 | 4.7    | 105   | -0.08    |
| 8    | 2-Chlorophenol              | 1.342 | 1.319 | 1.7    | 111   | -0.08    |
| 9    | Benzaldehyde                | 1.050 | 0.919 | 12.5   | 94    | -0.08    |
| 10 C | Phenol                      | 1.589 | 1.599 | -0.6   | 109   | -0.08    |
| 11   | bis(2-Chloroethyl)ether     | 1.210 | 1.194 | 1.3    | 109   | -0.08    |
| 12   | 1,3-Dichlorobenzene         | 1.501 | 1.486 | 1.0    | 113   | -0.08    |
| 13 C | 1,4-Dichlorobenzene         | 1.573 | 1.560 | 0.8    | 112   | -0.08    |
| 14   | 1,2-Dichlorobenzene         | 1.472 | 1.465 | 0.5    | 112   | -0.08    |
| 15   | Benzyl Alcohol              | 1.440 | 1.637 | -13.7  | 122   | -0.08    |
| 16   | 2,2'-oxybis(1-Chloropropane | 2.040 | 1.944 | 4.7    | 106   | -0.08    |
| 17   | 2-Methylphenol              | 1.205 | 1.257 | -4.3   | 115   | -0.08    |
| 18   | Hexachloroethane            | 0.627 | 0.687 | -9.6   | 121   | -0.08    |
| 19 P | n-Nitroso-di-n-propylamine  | 1.308 | 1.436 | -9.8   | 122   | -0.08    |
| 20   | 3+4-Methylphenols           | 1.668 | 1.710 | -2.5   | 112   | -0.08    |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0    | 113   | -0.08    |
| 22   | Acetophenone                | 0.490 | 0.525 | -7.1   | 118   | -0.08    |
| 23 S | Nitrobenzene-d5             | 0.401 | 0.460 | -14.7  | 125   | -0.08    |
| 24   | Nitrobenzene                | 0.416 | 0.472 | -13.5  | 126   | -0.08    |
| 25   | Isophorone                  | 0.838 | 0.897 | -7.0   | 121   | -0.08    |
| 26 C | 2-Nitrophenol               | 0.193 | 0.210 | -8.8   | 118   | -0.08    |
| 27   | 2,4-Dimethylphenol          | 0.314 | 0.326 | -3.8   | 115   | -0.08    |
| 28   | bis(2-Chloroethoxy)methane  | 0.383 | 0.396 | -3.4   | 112   | -0.08    |
| 29 C | 2,4-Dichlorophenol          | 0.306 | 0.350 | -14.4  | 125   | -0.09    |
| 30   | 1,2,4-Trichlorobenzene      | 0.359 | 0.419 | -16.7  | 131   | -0.08    |
| 31   | Naphthalene                 | 1.045 | 1.045 | 0.0    | 111   | -0.08    |
| 32   | Benzoic acid                | 0.198 | 0.214 | -8.1   | 116   | -0.08    |
| 33   | 4-Chloroaniline             | 0.464 | 0.471 | -1.5   | 112   | -0.08    |
| 34 C | Hexachlorobutadiene         | 0.234 | 0.324 | -38.5# | 154#  | -0.08    |
| 35   | Caprolactam                 | 0.168 | 0.154 | 8.3    | 96    | -0.09    |
| 36 C | 4-Chloro-3-methylphenol     | 0.398 | 0.422 | -6.0   | 114   | -0.09    |
| 37   | 2-Methylnaphthalene         | 0.803 | 0.857 | -6.7   | 117   | -0.08    |
| 38 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0    | 128   | -0.08    |
| 39   | 1,2,4,5-Tetrachlorobenzene  | 0.609 | 0.740 | -21.5  | 158#  | -0.08    |
| 40 P | Hexachlorocyclopentadiene   | 0.304 | 0.227 | 25.3#  | 90    | -0.08    |
| 41 S | 2,4,6-Tribromophenol        | 0.278 | 0.287 | -3.2   | 128   | -0.08    |
| 42 C | 2,4,6-Trichlorophenol       | 0.436 | 0.476 | -9.2   | 131   | -0.08    |
| 43   | 2,4,5-Trichlorophenol       | 0.477 | 0.524 | -9.9   | 140   | -0.09    |
| 44 S | 2-Fluorobiphenyl            | 1.326 | 1.445 | -9.0   | 138   | -0.08    |

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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 : Fri Jun 12 01:16:03 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 | 1.472 | -0.7   | 126   | -0.08    |
| 46   | 2-Chloronaphthalene        | 1.222 | 1.271 | -4.0   | 127   | -0.08    |
| 47   | 2-Nitroaniline             | 0.451 | 0.470 | -4.2   | 127   | -0.08    |
| 48   | Acenaphthylene             | 2.153 | 2.175 | -1.0   | 125   | -0.08    |
| 49   | Dimethylphthalate          | 1.741 | 1.707 | 2.0    | 121   | -0.08    |
| 50   | 2,6-Dinitrotoluene         | 0.391 | 0.392 | -0.3   | 126   | -0.08    |
| 51 C | Acenaphthene               | 1.269 | 1.259 | 0.8    | 126   | -0.08    |
| 52   | 3-Nitroaniline             | 0.424 | 0.379 | 10.6   | 111   | -0.08    |
| 53 P | 2,4-Dinitrophenol          | 0.205 | 0.200 | 2.4    | 117   | -0.07    |
| 54   | Dibenzofuran               | 1.873 | 2.021 | -7.9   | 133   | -0.08    |
| 55 P | 4-Nitrophenol              | 0.306 | 0.252 | 17.6   | 93    | -0.09    |
| 56   | 2,4-Dinitrotoluene         | 0.557 | 0.580 | -4.1   | 124   | -0.08    |
| 57   | Fluorene                   | 1.698 | 1.830 | -7.8   | 134   | -0.08    |
| 58   | 2,3,4,6-Tetrachlorophenol  | 0.435 | 0.545 | -25.3# | 149   | -0.08    |
| 59   | Diethylphthalate           | 1.890 | 1.841 | 2.6    | 121   | -0.08    |
| 60   | 4-Chlorophenyl-phenylether | 0.860 | 1.028 | -19.5  | 150   | -0.08    |
| 61   | 4-Nitroaniline             | 0.466 | 0.394 | 15.5   | 99    | -0.08    |
| 62   | Azobenzene                 | 1.796 | 2.016 | -12.2  | 139   | -0.08    |
| 63 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0    | 132   | -0.08    |
| 64   | 4,6-Dinitro-2-methylphenol | 0.148 | 0.150 | -1.4   | 132   | -0.07    |
| 65 c | n-Nitrosodiphenylamine     | 0.597 | 0.601 | -0.7   | 130   | -0.08    |
| 66   | 4-Bromophenyl-phenylether  | 0.221 | 0.243 | -10.0  | 147   | -0.08    |
| 67   | Hexachlorobenzene          | 0.238 | 0.254 | -6.7   | 141   | -0.08    |
| 68   | Atrazine                   | 0.263 | 0.270 | -2.7   | 131   | -0.08    |
| 69 C | Pentachlorophenol          | 0.128 | 0.112 | 12.5   | 111   | -0.08    |
| 70   | Phenanthrene               | 1.115 | 1.094 | 1.9    | 130   | -0.08    |
| 71   | Anthracene                 | 1.114 | 1.085 | 2.6    | 130   | -0.08    |
| 72   | Carbazole                  | 1.100 | 1.010 | 8.2    | 122   | -0.08    |
| 73   | Di-n-butylphthalate        | 1.409 | 1.270 | 9.9    | 118   | -0.08    |
| 74 C | Fluoranthene               | 1.458 | 1.500 | -2.9   | 137   | -0.08    |
| 75 I | Chrysene-d12               | 1.000 | 1.000 | 0.0    | 133   | -0.08    |
| 76   | Benzidine                  | 0.687 | 0.550 | 19.9   | 99    | -0.08    |
| 77   | Pyrene                     | 1.232 | 1.261 | -2.4   | 134   | -0.08    |
| 78 S | Terphenyl-d14              | 0.968 | 1.054 | -8.9   | 143   | -0.08    |
| 79   | Butylbenzylphthalate       | 0.533 | 0.500 | 6.2    | 121   | -0.08    |
| 80   | Benzo(a)anthracene         | 1.230 | 1.336 | -8.6   | 142   | -0.08    |
| 81   | 3,3'-Dichlorobenzidine     | 0.460 | 0.465 | -1.1   | 130   | -0.08    |
| 82   | Chrysene                   | 1.114 | 1.225 | -10.0  | 144   | -0.08    |
| 83   | Bis(2-ethylhexyl)phthalate | 0.769 | 0.726 | 5.6    | 123   | -0.08    |
| 84 c | Di-n-octyl phthalate       | 1.289 | 1.152 | 10.6   | 118   | -0.09    |
| 85   | Indeno(1,2,3-cd)pyrene     | 1.399 | 1.373 | 1.9    | 128   | -0.18    |
| 86 I | Perylene-d12               | 1.000 | 1.000 | 0.0    | 124   | -0.12    |
| 87   | Benzo(b)fluoranthene       | 1.267 | 1.355 | -6.9   | 129   | -0.10    |

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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 | 1.310 | -8.0 | 137   | -0.11    |
| 89 C | Benzo(a)pyrene         | 1.162 | 1.235 | -6.3 | 130   | -0.12    |
| 90   | Dibenzo(a,h)anthracene | 1.208 | 1.244 | -3.0 | 126   | -0.18    |
| 91   | Benzo(g,h,i)perylene   | 1.150 | 1.192 | -3.7 | 129   | -0.20    |

(#) = Out of Range

SPCC's out = 0 CCC's out = 1