

Data Path : Z:\HPCHEM1\BNA G\Data\BG051115\  
 Data File : BG017066.D  
 Acq On : 12 May 2015 1:00  
 Operator : TP/IZ  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTDCCC040

Quant Time: May 12 09:25:02 2015  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG050515.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue May 12 08:56:55 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                     | Amount | Calc.  | %Dev  | Area% | Dev(min) |
|------|------------------------------|--------|--------|-------|-------|----------|
| 1 I  | 1,4-Dichlorobenzene-d4       | 20.000 | 20.000 | 0.0   | 75    | -0.06    |
| 2    | 1,4-Dioxane                  | 40.000 | 38.852 | 2.9   | 78    | -0.07    |
| 3    | Pyridine                     | 40.000 | 38.358 | 4.1   | 74    | -0.07    |
| 4    | n-Nitrosodimethylamine       | 40.000 | 43.419 | -8.5  | 88    | -0.07    |
| 5 S  | 2-Fluorophenol               | 80.000 | 81.607 | -2.0  | 80    | -0.04    |
| 6    | Aniline                      | 40.000 | 39.146 | 2.1   | 77    | -0.06    |
| 7 S  | Phenol-d6                    | 80.000 | 81.270 | -1.6  | 80    | -0.02    |
| 8    | 2-Chlorophenol               | 40.000 | 41.644 | -4.1  | 83    | -0.05    |
| 9    | Benzaldehyde                 | 40.000 | 36.368 | 9.1   | 71    | -0.06    |
| 10 C | Phenol                       | 40.000 | 40.815 | -2.0  | 81    | -0.02    |
| 11   | bis(2-Chloroethyl)ether      | 40.000 | 38.951 | 2.6   | 76    | -0.05    |
| 12   | 1,3-Dichlorobenzene          | 40.000 | 40.134 | -0.3  | 81    | -0.05    |
| 13 C | 1,4-Dichlorobenzene          | 40.000 | 39.972 | 0.1   | 79    | -0.05    |
| 14   | 1,2-Dichlorobenzene          | 40.000 | 39.784 | 0.5   | 79    | -0.06    |
| 15   | Benzyl Alcohol               | 40.000 | 39.794 | 0.5   | 79    | -0.05    |
| 16   | 2,2'-oxybis(1-Chloropropane) | 40.000 | 34.329 | 14.2  | 69    | -0.06    |
| 17   | 2-Methylphenol               | 40.000 | 39.558 | 1.1   | 78    | -0.03    |
| 18   | Hexachloroethane             | 40.000 | 40.495 | -1.2  | 80    | -0.06    |
| 19 P | n-Nitroso-di-n-propylamine   | 40.000 | 37.563 | 6.1   | 75    | -0.05    |
| 20   | 3+4-Methylphenols            | 40.000 | 40.831 | -2.1  | 81    | -0.03    |
| 21 I | Naphthalene-d8               | 20.000 | 20.000 | 0.0   | 75    | -0.05    |
| 22   | Acetophenone                 | 40.000 | 39.316 | 1.7   | 79    | -0.05    |
| 23 S | Nitrobenzene-d5              | 80.000 | 81.577 | -2.0  | 83    | -0.05    |
| 24   | Nitrobenzene                 | 40.000 | 40.727 | -1.8  | 82    | -0.05    |
| 25   | Isophorone                   | 40.000 | 37.797 | 5.5   | 77    | -0.05    |
| 26 C | 2-Nitrophenol                | 40.000 | 43.554 | -8.9  | 87    | -0.05    |
| 27   | 2,4-Dimethylphenol           | 40.000 | 40.737 | -1.8  | 80    | -0.04    |
| 28   | bis(2-Chloroethoxy)methane   | 40.000 | 37.603 | 6.0   | 78    | -0.05    |
| 29 C | 2,4-Dichlorophenol           | 40.000 | 41.454 | -3.6  | 83    | -0.04    |
| 30   | 1,2,4-Trichlorobenzene       | 40.000 | 40.848 | -2.1  | 82    | -0.05    |
| 31   | Naphthalene                  | 40.000 | 39.027 | 2.4   | 80    | -0.05    |
| 32   | Benzoic acid                 | 40.000 | 46.129 | -15.3 | 95    | -0.01    |
| 33   | 4-Chloroaniline              | 40.000 | 39.581 | 1.0   | 79    | -0.05    |
| 34 C | Hexachlorobutadiene          | 40.000 | 39.185 | 2.0   | 80    | -0.06    |
| 35   | Caprolactam                  | 40.000 | 39.178 | 2.1   | 79    | -0.05    |
| 36 C | 4-Chloro-3-methylphenol      | 40.000 | 41.088 | -2.7  | 83    | -0.02    |
| 37   | 2-Methylnaphthalene          | 40.000 | 38.748 | 3.1   | 80    | -0.05    |
| 38 I | Acenaphthene-d10             | 20.000 | 20.000 | 0.0   | 76    | -0.04    |
| 39   | 1,2,4,5-Tetrachlorobenzene   | 40.000 | 40.951 | -2.4  | 81    | -0.05    |
| 40 P | Hexachlorocyclopentadiene    | 40.000 | 37.256 | 6.9   | 74    | -0.05    |
| 41 S | 2,4,6-Tribromophenol         | 80.000 | 90.356 | -12.9 | 90    | -0.04    |
| 42 C | 2,4,6-Trichlorophenol        | 40.000 | 42.676 | -6.7  | 81    | -0.04    |
| 43   | 2,4,5-Trichlorophenol        | 40.000 | 41.258 | -3.1  | 80    | -0.01    |
| 44 S | 2-Fluorobiphenyl             | 80.000 | 81.020 | -1.3  | 80    | -0.05    |

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 Max. RRF Dev : 25% Max. Rel. Area : 150%

|      | Compound                   | Amount | Calc.  | %Dev   | Area% | Dev(min) |
|------|----------------------------|--------|--------|--------|-------|----------|
| 45   | 1,1'-Biphenyl              | 40.000 | 39.995 | 0.0    | 79    | -0.04    |
| 46   | 2-Chloronaphthalene        | 40.000 | 40.359 | -0.9   | 80    | -0.04    |
| 47   | 2-Nitroaniline             | 40.000 | 47.907 | -19.8  | 93    | -0.03    |
| 48   | Acenaphthylene             | 40.000 | 40.155 | -0.4   | 80    | -0.05    |
| 49   | Dimethylphthalate          | 40.000 | 41.789 | -4.5   | 83    | -0.04    |
| 50   | 2,6-Dinitrotoluene         | 40.000 | 46.042 | -15.1  | 88    | -0.04    |
| 51 C | Acenaphthene               | 40.000 | 39.374 | 1.6    | 78    | -0.04    |
| 52   | 3-Nitroaniline             | 40.000 | 46.557 | -16.4  | 88    | -0.03    |
| 53 P | 2,4-Dinitrophenol          | 40.000 | 49.790 | -24.5  | 104   | -0.04    |
| 54   | Dibenzofuran               | 40.000 | 40.805 | -2.0   | 80    | -0.04    |
| 55 P | 4-Nitrophenol              | 40.000 | 44.834 | -12.1  | 88    | 0.02     |
| 56   | 2,4-Dinitrotoluene         | 40.000 | 50.745 | -26.9# | 98    | -0.04    |
| 57   | Fluorene                   | 40.000 | 40.461 | -1.2   | 80    | -0.04    |
| 58   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 43.293 | -8.2   | 83    | -0.03    |
| 59   | Diethylphthalate           | 40.000 | 41.291 | -3.2   | 82    | -0.04    |
| 60   | 4-Chlorophenyl-phenylether | 40.000 | 40.764 | -1.9   | 83    | -0.04    |
| 61   | 4-Nitroaniline             | 40.000 | 45.194 | -13.0  | 88    | -0.02    |
| 62   | Azobenzene                 | 40.000 | 40.252 | -0.6   | 80    | -0.05    |
| 63 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0    | 74    | -0.04    |
| 64   | 4,6-Dinitro-2-methylphenol | 40.000 | 53.732 | -34.3# | 107   | -0.04    |
| 65 c | n-Nitrosodiphenylamine     | 40.000 | 41.637 | -4.1   | 83    | -0.04    |
| 66   | 4-Bromophenyl-phenylether  | 40.000 | 41.925 | -4.8   | 83    | -0.04    |
| 67   | Hexachlorobenzene          | 40.000 | 43.572 | -8.9   | 88    | -0.04    |
| 68   | Atrazine                   | 40.000 | 41.864 | -4.7   | 81    | -0.04    |
| 69 C | Pentachlorophenol          | 40.000 | 39.816 | 0.5    | 76    | -0.02    |
| 70   | Phenanthrene               | 40.000 | 41.442 | -3.6   | 82    | -0.04    |
| 71   | Anthracene                 | 40.000 | 40.866 | -2.2   | 81    | -0.04    |
| 72   | Carbazole                  | 40.000 | 41.025 | -2.6   | 80    | -0.03    |
| 73   | Di-n-butylphthalate        | 40.000 | 42.276 | -5.7   | 82    | -0.05    |
| 74 C | Fluoranthene               | 40.000 | 42.420 | -6.1   | 82    | -0.04    |
| 75 I | Chrysene-d12               | 20.000 | 20.000 | 0.0    | 74    | -0.04    |
| 76   | Benzidine                  | 40.000 | 37.115 | 7.2    | 70    | -0.04    |
| 77   | Pyrene                     | 40.000 | 41.024 | -2.6   | 81    | -0.04    |
| 78 S | Terphenyl-d14              | 80.000 | 88.720 | -10.9  | 87    | -0.04    |
| 79   | Butylbenzylphthalate       | 40.000 | 41.883 | -4.7   | 82    | -0.04    |
| 80   | Benzo(a)anthracene         | 40.000 | 42.643 | -6.6   | 84    | -0.04    |
| 81   | 3,3'-Dichlorobenzidine     | 40.000 | 41.681 | -4.2   | 81    | -0.04    |
| 82   | Chrysene                   | 40.000 | 43.471 | -8.7   | 85    | -0.04    |
| 83   | Bis(2-ethylhexyl)phthalate | 40.000 | 41.484 | -3.7   | 80    | -0.05    |
| 84 c | Di-n-octyl phthalate       | 40.000 | 41.906 | -4.8   | 81    | -0.05    |
| 85   | Indeno(1,2,3-cd)pyrene     | 40.000 | 43.611 | -9.0   | 89    | -0.08    |
| 86 I | Perylene-d12               | 20.000 | 20.000 | 0.0    | 77    | -0.06    |
| 87   | Benzo(b)fluoranthene       | 40.000 | 40.906 | -2.3   | 84    | -0.05    |

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|------|------------------------|--------|--------|------|-------|----------|
| 88   | Benzo(k)fluoranthene   | 40.000 | 41.615 | -4.0 | 86    | -0.05    |
| 89 C | Benzo(a)pyrene         | 40.000 | 41.687 | -4.2 | 85    | -0.06    |
| 90   | Dibenzo(a,h)anthracene | 40.000 | 41.770 | -4.4 | 87    | -0.08    |
| 91   | Benzo(a,h,i)perylene   | 40.000 | 40.978 | -2.4 | 87    | -0.07    |

(#) = Out of Range

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