

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                    | Amount | Calc.  | %Dev  | Area% | Dev(min) |
|------|-----------------------------|--------|--------|-------|-------|----------|
| 1 I  | 1,4-Dichlorobenzene-d4      | 20.000 | 20.000 | 0.0   | 61    | -0.05    |
| 2    | 1,4-Dioxane                 | 40.000 | 38.000 | 5.0   | 59    | -0.06    |
| 3    | Pyridine                    | 40.000 | 38.911 | 2.7   | 57    | -0.05    |
| 4    | n-Nitrosodimethylamine      | 40.000 | 35.118 | 12.2  | 52    | -0.05    |
| 5 S  | 2-Fluorophenol              | 80.000 | 78.570 | 1.8   | 58    | -0.05    |
| 6    | Aniline                     | 40.000 | 36.808 | 8.0   | 54    | -0.04    |
| 7 S  | Phenol-d6                   | 80.000 | 78.141 | 2.3   | 57    | -0.04    |
| 8    | 2-Chlorophenol              | 40.000 | 38.475 | 3.8   | 57    | -0.04    |
| 9    | Benzaldehyde                | 40.000 | 35.111 | 12.2  | 54    | -0.05    |
| 10 C | Phenol                      | 40.000 | 39.294 | 1.8   | 58    | -0.04    |
| 11   | bis(2-Chloroethyl)ether     | 40.000 | 38.641 | 3.4   | 56    | -0.04    |
| 12   | 1,3-Dichlorobenzene         | 40.000 | 36.675 | 8.3   | 56    | -0.05    |
| 13 C | 1,4-Dichlorobenzene         | 40.000 | 37.596 | 6.0   | 57    | -0.05    |
| 14   | 1,2-Dichlorobenzene         | 40.000 | 37.652 | 5.9   | 56    | -0.05    |
| 15   | Benzyl Alcohol              | 40.000 | 36.109 | 9.7   | 53    | -0.04    |
| 16   | 2,2'-oxybis(1-Chloropropane | 40.000 | 36.663 | 8.3   | 55    | -0.04    |
| 17   | 2-Methylphenol              | 40.000 | 36.979 | 7.6   | 56    | -0.04    |
| 18   | Hexachloroethane            | 40.000 | 36.442 | 8.9   | 55    | -0.05    |
| 19 P | n-Nitroso-di-n-propylamine  | 40.000 | 35.958 | 10.1  | 53    | -0.04    |
| 20   | 3+4-Methylphenols           | 40.000 | 38.147 | 4.6   | 56    | -0.04    |
| 21 I | Naphthalene-d8              | 20.000 | 20.000 | 0.0   | 56    | -0.05    |
| 22   | Acetophenone                | 40.000 | 39.197 | 2.0   | 54    | -0.05    |
| 23 S | Nitrobenzene-d5             | 80.000 | 79.333 | 0.8   | 54    | -0.04    |
| 24   | Nitrobenzene                | 40.000 | 38.780 | 3.0   | 54    | -0.05    |
| 25   | Isophorone                  | 40.000 | 39.250 | 1.9   | 53    | -0.04    |
| 26 C | 2-Nitrophenol               | 40.000 | 40.918 | -2.3  | 56    | -0.05    |
| 27   | 2,4-Dimethylphenol          | 40.000 | 39.585 | 1.0   | 56    | -0.04    |
| 28   | bis(2-Chloroethoxy)methane  | 40.000 | 38.763 | 3.1   | 53    | -0.05    |
| 29 C | 2,4-Dichlorophenol          | 40.000 | 42.705 | -6.8  | 58    | -0.05    |
| 30   | 1,2,4-Trichlorobenzene      | 40.000 | 38.910 | 2.7   | 53    | -0.05    |
| 31   | Naphthalene                 | 40.000 | 39.898 | 0.3   | 54    | -0.05    |
| 32   | Benzoic acid                | 40.000 | 41.383 | -3.5  | 56    | -0.04    |
| 33   | 4-Chloroaniline             | 40.000 | 39.616 | 1.0   | 53    | -0.05    |
| 34 C | Hexachlorobutadiene         | 40.000 | 39.166 | 2.1   | 53    | -0.05    |
| 35   | Caprolactam                 | 40.000 | 45.131 | -12.8 | 64    | -0.02    |
| 36 C | 4-Chloro-3-methylphenol     | 40.000 | 42.470 | -6.2  | 57    | -0.04    |
| 37   | 2-Methylnaphthalene         | 40.000 | 38.062 | 4.8   | 54    | -0.05    |
| 38 I | Acenaphthene-d10            | 20.000 | 20.000 | 0.0   | 56    | -0.04    |
| 39   | 1,2,4,5-Tetrachlorobenzene  | 40.000 | 39.832 | 0.4   | 54    | -0.04    |
| 40 P | Hexachlorocyclopentadiene   | 40.000 | 36.388 | 9.0   | 50    | -0.05    |
| 41 S | 2,4,6-Tribromophenol        | 80.000 | 90.317 | -12.9 | 62    | -0.04    |
| 42 C | 2,4,6-Trichlorophenol       | 40.000 | 42.772 | -6.9  | 57    | -0.04    |
| 43   | 2,4,5-Trichlorophenol       | 40.000 | 44.611 | -11.5 | 61    | -0.04    |
| 44 S | 2-Fluorobiphenyl            | 80.000 | 80.165 | -0.2  | 55    | -0.04    |

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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 | 38.638 | 3.4   | 53    | -0.04    |
| 46   | 2-Chloronaphthalene        | 40.000 | 39.536 | 1.2   | 54    | -0.04    |
| 47   | 2-Nitroaniline             | 40.000 | 43.481 | -8.7  | 60    | -0.04    |
| 48   | Acenaphthylene             | 40.000 | 40.870 | -2.2  | 55    | -0.04    |
| 49   | Dimethylphthalate          | 40.000 | 41.885 | -4.7  | 58    | -0.04    |
| 50   | 2,6-Dinitrotoluene         | 40.000 | 43.471 | -8.7  | 58    | -0.04    |
| 51 C | Acenaphthene               | 40.000 | 40.046 | -0.1  | 55    | -0.04    |
| 52   | 3-Nitroaniline             | 40.000 | 44.471 | -11.2 | 61    | -0.04    |
| 53 P | 2,4-Dinitrophenol          | 40.000 | 40.938 | -2.3  | 53    | -0.03    |
| 54   | Dibenzofuran               | 40.000 | 40.561 | -1.4  | 56    | -0.04    |
| 55 P | 4-Nitrophenol              | 40.000 | 46.414 | -16.0 | 65    | -0.03    |
| 56   | 2,4-Dinitrotoluene         | 40.000 | 46.502 | -16.3 | 63    | -0.04    |
| 57   | Fluorene                   | 40.000 | 41.249 | -3.1  | 56    | -0.04    |
| 58   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 45.044 | -12.6 | 60    | -0.04    |
| 59   | Diethylphthalate           | 40.000 | 41.990 | -5.0  | 59    | -0.04    |
| 60   | 4-Chlorophenyl-phenylether | 40.000 | 41.858 | -4.6  | 57    | -0.04    |
| 61   | 4-Nitroaniline             | 40.000 | 46.548 | -16.4 | 63    | -0.04    |
| 62   | Azobenzene                 | 40.000 | 40.623 | -1.6  | 56    | -0.04    |
| 63 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0   | 61    | -0.04    |
| 64   | 4,6-Dinitro-2-methylphenol | 40.000 | 42.928 | -7.3  | 62    | -0.03    |
| 65 c | n-Nitrosodiphenylamine     | 40.000 | 39.324 | 1.7   | 59    | -0.04    |
| 66   | 4-Bromophenyl-phenylether  | 40.000 | 39.045 | 2.4   | 59    | -0.04    |
| 67   | Hexachlorobenzene          | 40.000 | 39.628 | 0.9   | 59    | -0.04    |
| 68   | Atrazine                   | 40.000 | 42.469 | -6.2  | 62    | -0.04    |
| 69 C | Pentachlorophenol          | 40.000 | 39.111 | 2.2   | 57    | -0.04    |
| 70   | Phenanthrene               | 40.000 | 41.220 | -3.0  | 61    | -0.04    |
| 71   | Anthracene                 | 40.000 | 41.114 | -2.8  | 61    | -0.04    |
| 72   | Carbazole                  | 40.000 | 42.717 | -6.8  | 64    | -0.04    |
| 73   | Di-n-butylphthalate        | 40.000 | 43.327 | -8.3  | 65    | -0.04    |
| 74 C | Fluoranthene               | 40.000 | 42.281 | -5.7  | 63    | -0.04    |
| 75 I | Chrysene-d12               | 20.000 | 20.000 | 0.0   | 69    | -0.04    |
| 76   | Benzidine                  | 40.000 | 32.088 | 19.8  | 52    | -0.04    |
| 77   | Pyrene                     | 40.000 | 38.829 | 2.9   | 65    | -0.04    |
| 78 S | Terphenyl-d14              | 80.000 | 81.288 | -1.6  | 68    | -0.04    |
| 79   | Butylbenzylphthalate       | 40.000 | 39.755 | 0.6   | 66    | -0.04    |
| 80   | Benzo(a)anthracene         | 40.000 | 40.257 | -0.6  | 67    | -0.04    |
| 81   | 3,3'-Dichlorobenzidine     | 40.000 | 40.388 | -1.0  | 68    | -0.04    |
| 82   | Chrysene                   | 40.000 | 40.397 | -1.0  | 68    | -0.04    |
| 83   | Bis(2-ethylhexyl)phthalate | 40.000 | 39.305 | 1.7   | 64    | -0.04    |
| 84 c | Di-n-octyl phthalate       | 40.000 | 39.810 | 0.5   | 67    | -0.04    |
| 85   | Indeno(1,2,3-cd)pyrene     | 40.000 | 40.870 | -2.2  | 68    | -0.08    |
| 86 I | Perylene-d12               | 20.000 | 20.000 | 0.0   | 66    | -0.06    |
| 87   | Benzo(b)fluoranthene       | 40.000 | 40.033 | -0.1  | 67    | -0.05    |

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|------|------------------------|--------|--------|------|-------|----------|
| 88   | Benzo(k)fluoranthene   | 40.000 | 40.940 | -2.3 | 66    | -0.05    |
| 89 C | Benzo(a)pyrene         | 40.000 | 40.847 | -2.1 | 67    | -0.05    |
| 90   | Dibenzo(a,h)anthracene | 40.000 | 41.594 | -4.0 | 69    | -0.09    |
| 91   | Benzo(g,h,i)perylene   | 40.000 | 40.941 | -2.4 | 67    | -0.09    |

(#) = Out of Range

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