

Data Path : Z:\HPCHEM1\BNA\_G\Data\BG051315\  
 Data File : BG017135.D  
 Acq On : 14 May 2015 7:54  
 Operator : TP/IZ  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTDCCC040

Quant Time: May 14 09:11:15 2015  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG051315.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu May 14 06:13:40 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   | 132   | 0.00     |
| 2    | 1,4-Dioxane                  | 40.000 | 41.506 | -3.8  | 139   | 0.00     |
| 3    | Pyridine                     | 40.000 | 43.711 | -9.3  | 139   | 0.00     |
| 4    | n-Nitrosodimethylamine       | 40.000 | 37.706 | 5.7   | 119   | 0.00     |
| 5 S  | 2-Fluorophenol               | 80.000 | 81.014 | -1.3  | 128   | 0.00     |
| 6    | Aniline                      | 40.000 | 41.828 | -4.6  | 131   | 0.00     |
| 7 S  | Phenol-d6                    | 80.000 | 84.684 | -5.9  | 133   | 0.00     |
| 8    | 2-Chlorophenol               | 40.000 | 40.668 | -1.7  | 129   | 0.00     |
| 9    | Benzaldehyde                 | 40.000 | 42.438 | -6.1  | 132   | 0.00     |
| 10 C | Phenol                       | 40.000 | 41.805 | -4.5  | 133   | 0.00     |
| 11   | bis(2-Chloroethyl)ether      | 40.000 | 44.155 | -10.4 | 137   | 0.00     |
| 12   | 1,3-Dichlorobenzene          | 40.000 | 38.109 | 4.7   | 125   | 0.00     |
| 13 C | 1,4-Dichlorobenzene          | 40.000 | 38.831 | 2.9   | 125   | 0.00     |
| 14   | 1,2-Dichlorobenzene          | 40.000 | 38.736 | 3.2   | 124   | 0.00     |
| 15   | Benzyl Alcohol               | 40.000 | 40.643 | -1.6  | 129   | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane) | 40.000 | 44.790 | -12.0 | 145   | 0.00     |
| 17   | 2-Methylphenol               | 40.000 | 41.172 | -2.9  | 134   | 0.00     |
| 18   | Hexachloroethane             | 40.000 | 38.397 | 4.0   | 124   | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine   | 40.000 | 43.035 | -7.6  | 136   | 0.00     |
| 20   | 3+4-Methylphenols            | 40.000 | 41.478 | -3.7  | 130   | 0.00     |
| 21 I | Naphthalene-d8               | 20.000 | 20.000 | 0.0   | 129   | 0.00     |
| 22   | Acetophenone                 | 40.000 | 40.910 | -2.3  | 130   | 0.00     |
| 23 S | Nitrobenzene-d5              | 80.000 | 82.291 | -2.9  | 128   | 0.00     |
| 24   | Nitrobenzene                 | 40.000 | 41.462 | -3.7  | 133   | 0.00     |
| 25   | Isophorone                   | 40.000 | 41.479 | -3.7  | 129   | 0.00     |
| 26 C | 2-Nitrophenol                | 40.000 | 40.315 | -0.8  | 127   | 0.00     |
| 27   | 2,4-Dimethylphenol           | 40.000 | 40.887 | -2.2  | 133   | 0.00     |
| 28   | bis(2-Chloroethoxy)methane   | 40.000 | 42.044 | -5.1  | 133   | 0.00     |
| 29 C | 2,4-Dichlorophenol           | 40.000 | 40.619 | -1.5  | 126   | 0.00     |
| 30   | 1,2,4-Trichlorobenzene       | 40.000 | 38.130 | 4.7   | 120   | 0.00     |
| 31   | Naphthalene                  | 40.000 | 40.090 | -0.2  | 126   | 0.00     |
| 32   | Benzoic acid                 | 40.000 | 39.306 | 1.7   | 123   | 0.00     |
| 33   | 4-Chloroaniline              | 40.000 | 41.479 | -3.7  | 128   | 0.00     |
| 34 C | Hexachlorobutadiene          | 40.000 | 36.535 | 8.7   | 115   | 0.00     |
| 35   | Caprolactam                  | 40.000 | 42.674 | -6.7  | 141   | 0.00     |
| 36 C | 4-Chloro-3-methylphenol      | 40.000 | 42.149 | -5.4  | 131   | 0.00     |
| 37   | 2-Methylnaphthalene          | 40.000 | 39.304 | 1.7   | 128   | 0.00     |
| 38 I | Acenaphthene-d10             | 20.000 | 20.000 | 0.0   | 125   | 0.00     |
| 39   | 1,2,4,5-Tetrachlorobenzene   | 40.000 | 39.775 | 0.6   | 121   | 0.00     |
| 40 P | Hexachlorocyclopentadiene    | 40.000 | 38.391 | 4.0   | 117   | 0.00     |
| 41 S | 2,4,6-Tribromophenol         | 80.000 | 79.299 | 0.9   | 121   | 0.00     |
| 42 C | 2,4,6-Trichlorophenol        | 40.000 | 41.857 | -4.6  | 124   | 0.00     |
| 43   | 2,4,5-Trichlorophenol        | 40.000 | 41.695 | -4.2  | 126   | 0.00     |
| 44 S | 2-Fluorobiphenyl             | 80.000 | 79.866 | 0.2   | 122   | 0.00     |

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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                   | Amount | Calc.  | %Dev  | Area% | Dev(min) |
|------|----------------------------|--------|--------|-------|-------|----------|
| 45   | 1,1'-Biphenyl              | 40.000 | 40.189 | -0.5  | 122   | 0.00     |
| 46   | 2-Chloronaphthalene        | 40.000 | 40.993 | -2.5  | 125   | 0.00     |
| 47   | 2-Nitroaniline             | 40.000 | 43.895 | -9.7  | 135   | 0.00     |
| 48   | Acenaphthylene             | 40.000 | 41.427 | -3.6  | 125   | 0.00     |
| 49   | Dimethylphthalate          | 40.000 | 40.221 | -0.6  | 123   | 0.00     |
| 50   | 2,6-Dinitrotoluene         | 40.000 | 41.633 | -4.1  | 123   | 0.00     |
| 51 C | Acenaphthene               | 40.000 | 40.872 | -2.2  | 126   | 0.00     |
| 52   | 3-Nitroaniline             | 40.000 | 42.986 | -7.5  | 130   | 0.00     |
| 53 P | 2,4-Dinitrophenol          | 40.000 | 39.430 | 1.4   | 113   | 0.00     |
| 54   | Dibenzofuran               | 40.000 | 40.414 | -1.0  | 124   | 0.00     |
| 55 P | 4-Nitrophenol              | 40.000 | 43.170 | -7.9  | 133   | 0.00     |
| 56   | 2,4-Dinitrotoluene         | 40.000 | 42.545 | -6.4  | 129   | 0.00     |
| 57   | Fluorene                   | 40.000 | 40.863 | -2.2  | 123   | 0.00     |
| 58   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 41.055 | -2.6  | 122   | 0.00     |
| 59   | Diethylphthalate           | 40.000 | 39.549 | 1.1   | 123   | 0.00     |
| 60   | 4-Chlorophenyl-phenylether | 40.000 | 40.145 | -0.4  | 121   | 0.00     |
| 61   | 4-Nitroaniline             | 40.000 | 44.009 | -10.0 | 132   | 0.00     |
| 62   | Azobenzene                 | 40.000 | 42.409 | -6.0  | 130   | 0.00     |
| 63 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0   | 126   | 0.00     |
| 64   | 4,6-Dinitro-2-methylphenol | 40.000 | 39.496 | 1.3   | 117   | 0.00     |
| 65 c | n-Nitrosodiphenylamine     | 40.000 | 40.806 | -2.0  | 125   | 0.00     |
| 66   | 4-Bromophenyl-phenylether  | 40.000 | 38.054 | 4.9   | 118   | 0.00     |
| 67   | Hexachlorobenzene          | 40.000 | 39.630 | 0.9   | 122   | 0.00     |
| 68   | Atrazine                   | 40.000 | 39.698 | 0.8   | 119   | 0.00     |
| 69 C | Pentachlorophenol          | 40.000 | 39.599 | 1.0   | 119   | 0.00     |
| 70   | Phenanthrene               | 40.000 | 41.242 | -3.1  | 125   | 0.00     |
| 71   | Anthracene                 | 40.000 | 40.554 | -1.4  | 125   | 0.00     |
| 72   | Carbazole                  | 40.000 | 41.741 | -4.4  | 128   | 0.00     |
| 73   | Di-n-butylphthalate        | 40.000 | 41.445 | -3.6  | 128   | 0.00     |
| 74 C | Fluoranthene               | 40.000 | 39.757 | 0.6   | 122   | 0.00     |
| 75 I | Chrysene-d12               | 20.000 | 20.000 | 0.0   | 124   | 0.00     |
| 76   | Benzidine                  | 40.000 | 39.418 | 1.5   | 116   | 0.00     |
| 77   | Pyrene                     | 40.000 | 41.500 | -3.8  | 125   | 0.00     |
| 78 S | Terphenyl-d14              | 80.000 | 80.786 | -1.0  | 122   | 0.00     |
| 79   | Butylbenzylphthalate       | 40.000 | 42.070 | -5.2  | 127   | 0.00     |
| 80   | Benzo(a)anthracene         | 40.000 | 40.868 | -2.2  | 122   | 0.00     |
| 81   | 3,3'-Dichlorobenzidine     | 40.000 | 39.819 | 0.5   | 120   | 0.00     |
| 82   | Chrysene                   | 40.000 | 40.426 | -1.1  | 122   | 0.00     |
| 83   | Bis(2-ethylhexyl)phthalate | 40.000 | 41.172 | -2.9  | 122   | 0.00     |
| 84 c | Di-n-octyl phthalate       | 40.000 | 41.441 | -3.6  | 125   | 0.00     |
| 85   | Indeno(1,2,3-cd)pyrene     | 40.000 | 40.257 | -0.6  | 120   | 0.00     |
| 86 I | Perylene-d12               | 20.000 | 20.000 | 0.0   | 120   | 0.00     |
| 87   | Benzo(b)fluoranthene       | 40.000 | 40.616 | -1.5  | 122   | 0.00     |

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|      | Compound               | Amount | Calc.  | %Dev | Area% | Dev(min) |
|------|------------------------|--------|--------|------|-------|----------|
| 88   | Benzo(k)fluoranthene   | 40.000 | 40.995 | -2.5 | 119   | 0.00     |
| 89 C | Benzo(a)pyrene         | 40.000 | 41.474 | -3.7 | 123   | 0.00     |
| 90   | Dibenzo(a,h)anthracene | 40.000 | 41.215 | -3.0 | 123   | -0.01    |
| 91   | Benzo(g,h,i)perylene   | 40.000 | 40.691 | -1.7 | 120   | -0.01    |

(#) = Out of Range

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