

Data Path : Z:\HPCHEM1\BNA\_G\Data\BG060415\  
 Data File : BG017456.D  
 Acq On : 4 Jun 2015 23:37  
 Operator : TP/IZ  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTDCCC040

Quant Time: Jun 05 04:00:56 2015  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG060315.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jun 05 03:51:43 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   | 91    | 0.00     |
| 2    | 1,4-Dioxane                 | 40.000 | 39.567 | 1.1   | 94    | 0.00     |
| 3    | Pyridine                    | 40.000 | 41.105 | -2.8  | 89    | 0.00     |
| 4    | n-Nitrosodimethylamine      | 40.000 | 45.005 | -12.5 | 97    | 0.00     |
| 5 S  | 2-Fluorophenol              | 80.000 | 84.386 | -5.5  | 95    | 0.00     |
| 6    | Aniline                     | 40.000 | 41.063 | -2.7  | 92    | 0.00     |
| 7 S  | Phenol-d6                   | 80.000 | 79.645 | 0.4   | 88    | -0.01    |
| 8    | 2-Chlorophenol              | 40.000 | 39.792 | 0.5   | 90    | -0.01    |
| 9    | Benzaldehyde                | 40.000 | 38.610 | 3.5   | 83    | 0.00     |
| 10 C | Phenol                      | 40.000 | 42.803 | -7.0  | 93    | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 40.000 | 41.800 | -4.5  | 93    | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 40.000 | 39.843 | 0.4   | 91    | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 40.000 | 39.027 | 2.4   | 89    | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 40.000 | 39.397 | 1.5   | 89    | 0.00     |
| 15   | Benzyl Alcohol              | 40.000 | 40.735 | -1.8  | 88    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 40.000 | 41.839 | -4.6  | 93    | 0.00     |
| 17   | 2-Methylphenol              | 40.000 | 40.605 | -1.5  | 90    | 0.00     |
| 18   | Hexachloroethane            | 40.000 | 40.241 | -0.6  | 89    | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 40.000 | 40.166 | -0.4  | 90    | -0.01    |
| 20   | 3+4-Methylphenols           | 40.000 | 39.640 | 0.9   | 87    | 0.00     |
| 21 I | Naphthalene-d8              | 20.000 | 20.000 | 0.0   | 92    | -0.01    |
| 22   | Acetophenone                | 40.000 | 39.493 | 1.3   | 89    | 0.00     |
| 23 S | Nitrobenzene-d5             | 80.000 | 82.200 | -2.8  | 91    | 0.00     |
| 24   | Nitrobenzene                | 40.000 | 40.667 | -1.7  | 91    | 0.00     |
| 25   | Isophorone                  | 40.000 | 36.980 | 7.6   | 84    | 0.00     |
| 26 C | 2-Nitrophenol               | 40.000 | 39.228 | 1.9   | 86    | 0.00     |
| 27   | 2,4-Dimethylphenol          | 40.000 | 39.478 | 1.3   | 89    | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 40.000 | 38.799 | 3.0   | 85    | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 40.000 | 40.876 | -2.2  | 90    | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 40.000 | 38.639 | 3.4   | 88    | 0.00     |
| 31   | Naphthalene                 | 40.000 | 39.016 | 2.5   | 88    | 0.00     |
| 32   | Benzoic acid                | 40.000 | 34.724 | 13.2  | 76    | 0.00     |
| 33   | 4-Chloroaniline             | 40.000 | 37.947 | 5.1   | 85    | -0.01    |
| 34 C | Hexachlorobutadiene         | 40.000 | 40.159 | -0.4  | 91    | 0.00     |
| 35   | Caprolactam                 | 40.000 | 34.982 | 12.5  | 74    | -0.01    |
| 36 C | 4-Chloro-3-methylphenol     | 40.000 | 38.851 | 2.9   | 85    | 0.00     |
| 37   | 2-Methylnaphthalene         | 40.000 | 39.502 | 1.2   | 88    | 0.00     |
| 38 I | Acenaphthene-d10            | 20.000 | 20.000 | 0.0   | 89    | 0.00     |
| 39   | 1,2,4,5-Tetrachlorobenzene  | 40.000 | 38.645 | 3.4   | 88    | 0.00     |
| 40 P | Hexachlorocyclopentadiene   | 40.000 | 36.673 | 8.3   | 81    | 0.00     |
| 41 S | 2,4,6-Tribromophenol        | 80.000 | 81.035 | -1.3  | 88    | 0.00     |
| 42 C | 2,4,6-Trichlorophenol       | 40.000 | 38.774 | 3.1   | 81    | -0.01    |
| 43   | 2,4,5-Trichlorophenol       | 40.000 | 39.573 | 1.1   | 88    | -0.01    |
| 44 S | 2-Fluorobiphenyl            | 80.000 | 80.016 | -0.0  | 88    | 0.00     |

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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 05 03:51:43 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) |
|------|----------------------------|--------|--------|------|-------|----------|
| 45   | 1,1'-Biphenyl              | 40.000 | 39.893 | 0.3  | 87    | 0.00     |
| 46   | 2-Chloronaphthalene        | 40.000 | 39.852 | 0.4  | 84    | 0.00     |
| 47   | 2-Nitroaniline             | 40.000 | 40.540 | -1.3 | 86    | 0.00     |
| 48   | Acenaphthylene             | 40.000 | 40.505 | -1.3 | 88    | 0.00     |
| 49   | Dimethylphthalate          | 40.000 | 37.351 | 6.6  | 81    | 0.00     |
| 50   | 2,6-Dinitrotoluene         | 40.000 | 38.944 | 2.6  | 85    | 0.00     |
| 51 C | Acenaphthene               | 40.000 | 39.862 | 0.3  | 88    | 0.00     |
| 52   | 3-Nitroaniline             | 40.000 | 38.657 | 3.4  | 84    | 0.00     |
| 53 P | 2,4-Dinitrophenol          | 40.000 | 36.410 | 9.0  | 81    | 0.00     |
| 54   | Dibenzofuran               | 40.000 | 40.502 | -1.3 | 87    | 0.00     |
| 55 P | 4-Nitrophenol              | 40.000 | 37.948 | 5.1  | 81    | 0.00     |
| 56   | 2,4-Dinitrotoluene         | 40.000 | 40.679 | -1.7 | 85    | 0.00     |
| 57   | Fluorene                   | 40.000 | 39.784 | 0.5  | 86    | 0.00     |
| 58   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 39.979 | 0.1  | 83    | 0.00     |
| 59   | Diethylphthalate           | 40.000 | 37.732 | 5.7  | 82    | -0.01    |
| 60   | 4-Chlorophenyl-phenylether | 40.000 | 39.514 | 1.2  | 86    | 0.00     |
| 61   | 4-Nitroaniline             | 40.000 | 42.174 | -5.4 | 86    | 0.00     |
| 62   | Azobenzene                 | 40.000 | 42.095 | -5.2 | 91    | 0.00     |
| 63 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0  | 84    | 0.00     |
| 64   | 4,6-Dinitro-2-methylphenol | 40.000 | 39.638 | 0.9  | 82    | 0.00     |
| 65 c | n-Nitrosodiphenylamine     | 40.000 | 41.031 | -2.6 | 84    | 0.00     |
| 66   | 4-Bromophenyl-phenylether  | 40.000 | 41.227 | -3.1 | 88    | 0.00     |
| 67   | Hexachlorobenzene          | 40.000 | 41.013 | -2.5 | 86    | 0.00     |
| 68   | Atrazine                   | 40.000 | 40.274 | -0.7 | 82    | 0.00     |
| 69 C | Pentachlorophenol          | 40.000 | 39.489 | 1.3  | 83    | 0.00     |
| 70   | Phenanthrene               | 40.000 | 41.704 | -4.3 | 88    | 0.00     |
| 71   | Anthracene                 | 40.000 | 41.748 | -4.4 | 88    | 0.00     |
| 72   | Carbazole                  | 40.000 | 40.981 | -2.5 | 86    | 0.00     |
| 73   | Di-n-butylphthalate        | 40.000 | 40.252 | -0.6 | 84    | 0.00     |
| 74 C | Fluoranthene               | 40.000 | 41.006 | -2.5 | 87    | 0.00     |
| 75 I | Chrysene-d12               | 20.000 | 20.000 | 0.0  | 85    | 0.00     |
| 76   | Benzidine                  | 40.000 | 41.539 | -3.8 | 82    | 0.00     |
| 77   | Pyrene                     | 40.000 | 41.426 | -3.6 | 86    | 0.00     |
| 78 S | Terphenyl-d14              | 80.000 | 85.108 | -6.4 | 89    | 0.00     |
| 79   | Butylbenzylphthalate       | 40.000 | 41.428 | -3.6 | 85    | 0.00     |
| 80   | Benzo(a)anthracene         | 40.000 | 41.594 | -4.0 | 87    | 0.00     |
| 81   | 3,3'-Dichlorobenzidine     | 40.000 | 41.822 | -4.6 | 86    | 0.00     |
| 82   | Chrysene                   | 40.000 | 41.612 | -4.0 | 87    | 0.00     |
| 83   | Bis(2-ethylhexyl)phthalate | 40.000 | 42.382 | -6.0 | 88    | 0.00     |
| 84 c | Di-n-octyl phthalate       | 40.000 | 42.408 | -6.0 | 90    | 0.00     |
| 85   | Indeno(1,2,3-cd)pyrene     | 40.000 | 42.131 | -5.3 | 88    | 0.00     |
| 86 I | Perylene-d12               | 20.000 | 20.000 | 0.0  | 88    | 0.00     |
| 87   | Benzo(b)fluoranthene       | 40.000 | 40.017 | -0.0 | 85    | 0.00     |

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QLast Update : Fri Jun 05 03:51:43 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) |
|------|------------------------|--------|--------|------|-------|----------|
| 88   | Benzo(k)fluoranthene   | 40.000 | 40.832 | -2.1 | 92    | 0.00     |
| 89 C | Benzo(a)pyrene         | 40.000 | 40.379 | -0.9 | 88    | 0.00     |
| 90   | Dibenzo(a,h)anthracene | 40.000 | 40.423 | -1.1 | 87    | 0.00     |
| 91   | Benzo(g,h,i)perylene   | 40.000 | 40.363 | -0.9 | 89    | 0.00     |

(#) = Out of Range

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