

Data Path : Z:\HPCHEM1\BNA\_G\Data\BG060615\  
 Data File : BG017537.D  
 Acq On : 7 Jun 2015 16:18  
 Operator : TP/IZ  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTDCCC040

Quant Time: Jun 08 05:29:36 2015  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG060315.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jun 04 01:31:15 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   | 143   | 0.00     |
| 2    | 1,4-Dioxane                  | 40.000 | 37.265 | 6.8   | 140   | -0.01    |
| 3    | Pyridine                     | 40.000 | 35.359 | 11.6  | 121   | -0.01    |
| 4    | n-Nitrosodimethylamine       | 40.000 | 45.247 | -13.1 | 154   | -0.01    |
| 5 S  | 2-Fluorophenol               | 80.000 | 80.365 | -0.5  | 142   | 0.00     |
| 6    | Aniline                      | 40.000 | 38.727 | 3.2   | 138   | 0.00     |
| 7 S  | Phenol-d6                    | 80.000 | 79.907 | 0.1   | 139   | 0.00     |
| 8    | 2-Chlorophenol               | 40.000 | 39.502 | 1.2   | 142   | 0.00     |
| 9    | Benzaldehyde                 | 40.000 | 38.425 | 3.9   | 131   | 0.00     |
| 10 C | Phenol                       | 40.000 | 39.944 | 0.1   | 137   | 0.00     |
| 11   | bis(2-Chloroethyl)ether      | 40.000 | 38.784 | 3.0   | 136   | 0.00     |
| 12   | 1,3-Dichlorobenzene          | 40.000 | 41.400 | -3.5  | 149   | 0.00     |
| 13 C | 1,4-Dichlorobenzene          | 40.000 | 41.504 | -3.8  | 149   | 0.00     |
| 14   | 1,2-Dichlorobenzene          | 40.000 | 40.582 | -1.5  | 145   | 0.00     |
| 15   | Benzyl Alcohol               | 40.000 | 38.183 | 4.5   | 130   | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane) | 40.000 | 39.389 | 1.5   | 139   | 0.00     |
| 17   | 2-Methylphenol               | 40.000 | 38.730 | 3.2   | 135   | 0.00     |
| 18   | Hexachloroethane             | 40.000 | 43.644 | -9.1  | 153   | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine   | 40.000 | 36.238 | 9.4   | 128   | 0.00     |
| 20   | 3+4-Methylphenols            | 40.000 | 39.046 | 2.4   | 135   | 0.00     |
| 21 I | Naphthalene-d8               | 20.000 | 20.000 | 0.0   | 141   | 0.00     |
| 22   | Acetophenone                 | 40.000 | 39.007 | 2.5   | 135   | 0.00     |
| 23 S | Nitrobenzene-d5              | 80.000 | 83.379 | -4.2  | 142   | 0.00     |
| 24   | Nitrobenzene                 | 40.000 | 40.845 | -2.1  | 141   | 0.00     |
| 25   | Isophorone                   | 40.000 | 34.999 | 12.5  | 123   | 0.00     |
| 26 C | 2-Nitrophenol                | 40.000 | 39.432 | 1.4   | 133   | 0.00     |
| 27   | 2,4-Dimethylphenol           | 40.000 | 38.633 | 3.4   | 134   | 0.00     |
| 28   | bis(2-Chloroethoxy)methane   | 40.000 | 36.898 | 7.8   | 125   | 0.00     |
| 29 C | 2,4-Dichlorophenol           | 40.000 | 40.175 | -0.4  | 136   | 0.00     |
| 30   | 1,2,4-Trichlorobenzene       | 40.000 | 40.926 | -2.3  | 144   | 0.00     |
| 31   | Naphthalene                  | 40.000 | 39.027 | 2.4   | 136   | 0.00     |
| 32   | Benzoic acid                 | 40.000 | 34.127 | 14.7  | 115   | 0.04     |
| 33   | 4-Chloroaniline              | 40.000 | 35.935 | 10.2  | 124   | 0.00     |
| 34 C | Hexachlorobutadiene          | 40.000 | 45.199 | -13.0 | 157   | 0.00     |
| 35   | Caprolactam                  | 40.000 | 29.071 | 27.3# | 95    | 0.00     |
| 36 C | 4-Chloro-3-methylphenol      | 40.000 | 35.713 | 10.7  | 120   | 0.01     |
| 37   | 2-Methylnaphthalene          | 40.000 | 37.977 | 5.1   | 130   | 0.00     |
| 38 I | Acenaphthene-d10             | 20.000 | 20.000 | 0.0   | 125   | 0.00     |
| 39   | 1,2,4,5-Tetrachlorobenzene   | 40.000 | 45.730 | -14.3 | 145   | 0.00     |
| 40 P | Hexachlorocyclopentadiene    | 40.000 | 15.110 | 62.2# | 31    | 0.00     |
| 41 S | 2,4,6-Tribromophenol         | 80.000 | 74.607 | 6.7   | 113   | 0.00     |
| 42 C | 2,4,6-Trichlorophenol        | 40.000 | 41.700 | -4.3  | 121   | 0.00     |
| 43   | 2,4,5-Trichlorophenol        | 40.000 | 40.570 | -1.4  | 126   | 0.00     |
| 44 S | 2-Fluorobiphenyl             | 80.000 | 86.939 | -8.7  | 134   | 0.00     |

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Quant Time: Jun 08 05:29:36 2015  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG060315.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jun 04 01:31:15 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 | 42.922 | -7.3  | 130   | 0.00     |
| 46   | 2-Chloronaphthalene        | 40.000 | 43.169 | -7.9  | 128   | 0.00     |
| 47   | 2-Nitroaniline             | 40.000 | 40.429 | -1.1  | 120   | 0.00     |
| 48   | Acenaphthylene             | 40.000 | 40.216 | -0.5  | 122   | 0.00     |
| 49   | Dimethylphthalate          | 40.000 | 35.773 | 10.6  | 108   | 0.00     |
| 50   | 2,6-Dinitrotoluene         | 40.000 | 34.889 | 12.8  | 107   | 0.00     |
| 51 C | Acenaphthene               | 40.000 | 40.167 | -0.4  | 124   | 0.00     |
| 52   | 3-Nitroaniline             | 40.000 | 34.699 | 13.3  | 105   | 0.00     |
| 53 P | 2,4-Dinitrophenol          | 40.000 | 11.635 | 70.9# | 18    | 0.00     |
| 54   | Dibenzofuran               | 40.000 | 39.119 | 2.2   | 118   | 0.00     |
| 55 P | 4-Nitrophenol              | 40.000 | 30.791 | 23.0  | 92    | 0.02     |
| 56   | 2,4-Dinitrotoluene         | 40.000 | 34.837 | 12.9  | 101   | 0.00     |
| 57   | Fluorene                   | 40.000 | 39.964 | 0.1   | 121   | 0.00     |
| 58   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 39.292 | 1.8   | 114   | 0.00     |
| 59   | Diethylphthalate           | 40.000 | 34.804 | 13.0  | 106   | 0.00     |
| 60   | 4-Chlorophenyl-phenylether | 40.000 | 39.960 | 0.1   | 122   | 0.00     |
| 61   | 4-Nitroaniline             | 40.000 | 29.701 | 25.7# | 85    | 0.00     |
| 62   | Azobenzene                 | 40.000 | 39.557 | 1.1   | 119   | 0.00     |
| 63 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0   | 105   | 0.00     |
| 64   | 4,6-Dinitro-2-methylphenol | 40.000 | 10.377 | 74.1# | 27    | 0.00     |
| 65 c | n-Nitrosodiphenylamine     | 40.000 | 42.998 | -7.5  | 110   | 0.00     |
| 66   | 4-Bromophenyl-phenylether  | 40.000 | 43.970 | -9.9  | 117   | 0.00     |
| 67   | Hexachlorobenzene          | 40.000 | 42.774 | -6.9  | 113   | 0.00     |
| 68   | Atrazine                   | 40.000 | 37.924 | 5.2   | 96    | 0.00     |
| 69 C | Pentachlorophenol          | 40.000 | 38.941 | 2.6   | 103   | 0.00     |
| 70   | Phenanthrene               | 40.000 | 40.929 | -2.3  | 108   | 0.00     |
| 71   | Anthracene                 | 40.000 | 40.975 | -2.4  | 109   | 0.00     |
| 72   | Carbazole                  | 40.000 | 38.323 | 4.2   | 101   | 0.00     |
| 73   | Di-n-butylphthalate        | 40.000 | 38.871 | 2.8   | 101   | 0.00     |
| 74 C | Fluoranthene               | 40.000 | 39.027 | 2.4   | 103   | 0.00     |
| 75 I | Chrysene-d12               | 20.000 | 20.000 | 0.0   | 106   | 0.00     |
| 76   | Benzidine                  | 40.000 | 38.051 | 4.9   | 94    | 0.00     |
| 77   | Pyrene                     | 40.000 | 39.398 | 1.5   | 103   | 0.00     |
| 78 S | Terphenyl-d14              | 80.000 | 81.376 | -1.7  | 107   | 0.00     |
| 79   | Butylbenzylphthalate       | 40.000 | 40.384 | -1.0  | 104   | 0.00     |
| 80   | Benzo(a)anthracene         | 40.000 | 39.811 | 0.5   | 104   | 0.00     |
| 81   | 3,3'-Dichlorobenzidine     | 40.000 | 40.652 | -1.6  | 104   | 0.00     |
| 82   | Chrysene                   | 40.000 | 39.530 | 1.2   | 103   | 0.00     |
| 83   | Bis(2-ethylhexyl)phthalate | 40.000 | 41.584 | -4.0  | 108   | 0.00     |
| 84 c | Di-n-octyl phthalate       | 40.000 | 40.912 | -2.3  | 108   | 0.00     |
| 85   | Indeno(1,2,3-cd)pyrene     | 40.000 | 35.216 | 12.0  | 92    | 0.02     |
| 86 I | Perylene-d12               | 20.000 | 20.000 | 0.0   | 107   | 0.01     |
| 87   | Benzo(b)fluoranthene       | 40.000 | 39.342 | 1.6   | 102   | 0.00     |

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Jun 04 01:31:15 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 | 40.731 | -1.8  | 111   | 0.01     |
| 89 C | Benzo(a)pyrene         | 40.000 | 38.807 | 3.0   | 102   | 0.01     |
| 90   | Dibenzo(a,h)anthracene | 40.000 | 34.387 | 14.0  | 90    | 0.01     |
| 91   | Benzo(g,h,i)perylene   | 40.000 | 28.563 | 28.6# | 76    | 0.01     |

(#) = Out of Range

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