

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG051015\  
 Data File : BG017030.D  
 Acq On : 10 May 2015 18:57  
 Operator : TP/IZ  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 99 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSTDCCC040

Quant Time: May 19 07:51:22 2015  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG050515.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue May 05 16:13:58 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.79  | 152  | 65960    | 20.00 | ng    | -0.02    |
| 21) Naphthalene-d8        | 10.58 | 136  | 312904   | 20.00 | ng    | -0.02    |
| 38) Acenaphthene-d10      | 14.43 | 164  | 212435   | 20.00 | ng    | -0.02    |
| 63) Phenanthrene-d10      | 17.17 | 188  | 458252   | 20.00 | ng    | -0.02    |
| 75) Chrysene-d12          | 21.35 | 240  | 443523   | 20.00 | ng    | -0.02    |
| 86) Perylene-d12          | 23.65 | 264  | 430069   | 20.00 | ng    | -0.03    |

## System Monitoring Compounds

|                          |       |     |         |       |    |       |
|--------------------------|-------|-----|---------|-------|----|-------|
| 5) 2-Fluorophenol        | 5.38  | 112 | 284045  | 74.98 | ng | 0.00  |
| 7) Phenol-d6             | 6.97  | 99  | 437841  | 80.90 | ng | 0.00  |
| 23) Nitrobenzene-d5      | 8.95  | 82  | 516203  | 80.59 | ng | -0.01 |
| 41) 2,4,6-Tribromophenol | 15.92 | 330 | 182040  | 85.36 | ng | -0.01 |
| 44) 2-Fluorobiphenyl     | 13.05 | 172 | 1056206 | 75.03 | ng | -0.02 |
| 78) Terphenyl-d14        | 19.80 | 244 | 1512115 | 79.92 | ng | -0.02 |

## Target Compounds

|                                |       |     |        |       |    | Qvalue |
|--------------------------------|-------|-----|--------|-------|----|--------|
| 2) 1,4-Dioxane                 | 3.29  | 88  | 53182  | 33.50 | ng | # 1    |
| 3) Pyridine                    | 3.68  | 79  | 172145 | 35.08 | ng | 99     |
| 4) n-Nitrosodimethylamine      | 3.60  | 42  | 118410 | 40.42 | ng | 90     |
| 6) Aniline                     | 7.12  | 93  | 294472 | 38.75 | ng | 99     |
| 8) 2-Chlorophenol              | 7.36  | 128 | 174306 | 39.72 | ng | 98     |
| 9) Benzaldehyde                | 6.93  | 77  | 141891 | 36.84 | ng | 98     |
| 10) Phenol                     | 7.00  | 94  | 235475 | 40.57 | ng | 95     |
| 11) bis(2-Chloroethyl)ether    | 7.22  | 93  | 169522 | 37.78 | ng | 98     |
| 12) 1,3-Dichlorobenzene        | 7.68  | 146 | 180463 | 37.29 | ng | 97     |
| 13) 1,4-Dichlorobenzene        | 7.82  | 146 | 182067 | 37.14 | ng | 99     |
| 14) 1,2-Dichlorobenzene        | 8.14  | 146 | 179021 | 38.06 | ng | 92     |
| 15) Benzyl Alcohol             | 8.03  | 79  | 200044 | 40.47 | ng | 98     |
| 16) 2,2'-oxybis(1-Chloropropan | 8.32  | 45  | 290054 | 34.92 | ng | 99     |
| 17) 2-Methylphenol             | 8.25  | 107 | 163401 | 39.98 | ng | 96     |
| 18) Hexachloroethane           | 8.86  | 117 | 76910  | 38.17 | ng | 98     |
| 19) n-Nitroso-di-n-propylamine | 8.59  | 70  | 181015 | 38.14 | ng | 96     |
| 20) 3+4-Methylphenols          | 8.57  | 107 | 234254 | 41.60 | ng | 93     |
| 22) Acetophenone               | 8.61  | 105 | 285557 | 38.32 | ng | # 97   |
| 24) Nitrobenzene               | 8.99  | 77  | 256365 | 39.63 | ng | 98     |
| 25) Isophorone                 | 9.51  | 82  | 479885 | 37.11 | ng | 98     |
| 26) 2-Nitrophenol              | 9.70  | 139 | 110867 | 42.10 | ng | 95     |
| 27) 2,4-Dimethylphenol         | 9.77  | 122 | 189704 | 39.80 | ng | 99     |
| 28) bis(2-Chloroethoxy)methane | 10.00 | 93  | 243093 | 37.24 | ng | 98     |
| 29) 2,4-Dichlorophenol         | 10.24 | 162 | 184308 | 40.93 | ng | 98     |
| 30) 1,2,4-Trichlorobenzene     | 10.44 | 180 | 184714 | 38.69 | ng | 93     |
| 31) Naphthalene                | 10.63 | 128 | 586845 | 37.71 | ng | 98     |
| 32) Benzoic acid               | 9.92  | 122 | 139722 | 48.41 | ng | 94     |
| 33) 4-Chloroaniline            | 10.74 | 127 | 288909 | 40.20 | ng | 97     |
| 34) Hexachlorobutadiene        | 10.91 | 225 | 113140 | 37.86 | ng | 99     |
| 35) Caprolactam                | 11.53 | 113 | 90452  | 38.67 | ng | 94     |
| 36) 4-Chloro-3-methylphenol    | 11.88 | 107 | 236190 | 40.97 | ng | 96     |
| 37) 2-Methylnaphthalene        | 12.24 | 142 | 456099 | 38.48 | ng | 97     |
| 39) 1,2,4,5-Tetrachlorobenzene | 12.61 | 216 | 218643 | 38.08 | ng | # 100  |
| 40) Hexachlorocyclopentadiene  | 12.59 | 237 | 113497 | 30.60 | ng | 94     |

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|--------------------------------|-------|------|----------|-------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 12.86 | 196  | 160434   | 39.42 | ng    | 93       |
| 43) 2,4,5-Trichlorophenol      | 12.95 | 196  | 172665   | 39.97 | ng    | 98       |
| 45) 1,1'-Biphenyl              | 13.26 | 154  | 567545   | 37.32 | ng    | 98       |
| 46) 2-Chloronaphthalene        | 13.30 | 162  | 458615   | 38.07 | ng    | 97       |
| 47) 2-Nitroaniline             | 13.51 | 65   | 190769   | 45.49 | ng    | 99       |
| 48) Acenaphthylene             | 14.15 | 152  | 784834   | 37.41 | ng    | 99       |
| 49) Dimethylphthalate          | 13.89 | 163  | 585890   | 36.93 | ng    | 99       |
| 50) 2,6-Dinitrotoluene         | 14.01 | 165  | 142376   | 43.23 | ng    | 96       |
| 51) Acenaphthene               | 14.49 | 154  | 460535   | 36.89 | ng    | 98       |
| 52) 3-Nitroaniline             | 14.34 | 138  | 161255   | 43.04 | ng    | 92       |
| 53) 2,4-Dinitrophenol          | 14.54 | 184  | 62113    | 41.23 | ng    | # 83     |
| 54) Dibenzofuran               | 14.83 | 168  | 671227   | 37.86 | ng    | 95       |
| 55) 4-Nitrophenol              | 14.67 | 139  | 114073   | 35.90 | ng    | 92       |
| 56) 2,4-Dinitrotoluene         | 14.79 | 165  | 197526   | 46.88 | ng    | 98       |
| 57) Fluorene                   | 15.47 | 166  | 597252   | 38.05 | ng    | 99       |
| 58) 2,3,4,6-Tetrachlorophenol  | 15.06 | 232  | 149289   | 40.05 | ng    | # 77     |
| 59) Diethylphthalate           | 15.26 | 149  | 625216   | 37.34 | ng    | 98       |
| 60) 4-Chlorophenyl-phenylether | 15.47 | 204  | 299668   | 38.00 | ng    | 96       |
| 61) 4-Nitroaniline             | 15.51 | 138  | 174500   | 40.17 | ng    | 91       |
| 62) Azobenzene                 | 15.76 | 77   | 651805   | 37.58 | ng    | 95       |
| 64) 4,6-Dinitro-2-methylphenol | 15.56 | 198  | 112003   | 49.29 | ng    | 92       |
| 65) n-Nitrosodiphenylamine     | 15.69 | 169  | 528998   | 37.82 | ng    | 97       |
| 66) 4-Bromophenyl-phenylether  | 16.37 | 248  | 180623   | 39.27 | ng    | 97       |
| 67) Hexachlorobenzene          | 16.48 | 284  | 195046   | 40.21 | ng    | 97       |
| 68) Atrazine                   | 16.64 | 200  | 186437   | 37.03 | ng    | 95       |
| 69) Pentachlorophenol          | 16.83 | 266  | 118212   | 37.54 | ng    | 93       |
| 70) Phenanthrene               | 17.21 | 178  | 867207   | 36.77 | ng    | 99       |
| 71) Anthracene                 | 17.31 | 178  | 889772   | 37.40 | ng    | 99       |
| 72) Carbazole                  | 17.58 | 167  | 811376   | 35.87 | ng    | 100      |
| 73) Di-n-butylphthalate        | 18.14 | 149  | 1071038  | 36.53 | ng    | 99       |
| 74) Fluoranthene               | 19.23 | 202  | 982308   | 35.90 | ng    | 99       |
| 76) Benzidine                  | 19.42 | 184  | 517250   | 34.32 | ng    | 99       |
| 77) Pyrene                     | 19.59 | 202  | 990240   | 37.83 | ng    | 99       |
| 79) Butylbenzylphthalate       | 20.49 | 149  | 478172   | 38.43 | ng    | 99       |
| 80) Benzo(a)anthracene         | 21.33 | 228  | 927697   | 38.99 | ng    | 98       |
| 81) 3,3'-Dichlorobenzidine     | 21.27 | 252  | 356002   | 38.32 | ng    | 97       |
| 82) Chrysene                   | 21.38 | 228  | 876357   | 39.32 | ng    | 98       |
| 83) Bis(2-ethylhexyl)phthalate | 21.26 | 149  | 654283   | 38.45 | ng    | 98       |
| 84) Di-n-octyl phthalate       | 22.15 | 149  | 1099507  | 38.46 | ng    | # 100    |
| 85) Indeno(1,2,3-cd)pyrene     | 26.01 | 276  | 1065704  | 40.13 | ng    | # 100    |
| 87) Benzo(b)fluoranthene       | 22.95 | 252  | 919418   | 38.38 | ng    | 96       |
| 88) Benzo(k)fluoranthene       | 22.99 | 252  | 907724   | 39.38 | ng    | 98       |
| 89) Benzo(a)pyrene             | 23.55 | 252  | 865863   | 38.76 | ng    | 99       |
| 90) Dibenzo(a,h)anthracene     | 26.02 | 278  | 893906   | 39.17 | ng    | 98       |
| 91) Benzo(g,h,i)perylene       | 26.73 | 276  | 841884   | 38.74 | ng    | 96       |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

