

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG052215\  
 Data File : BG017275.D  
 Acq On : 23 May 2015 10:15  
 Operator : TP/IZ  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSTDCCC040EC

Quant Time: May 26 01:07:36 2015  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG051315.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon May 25 08:11:45 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.68  | 152  | 52905    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 10.48 | 136  | 219861   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 14.34 | 164  | 129394   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 17.08 | 188  | 270555   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 21.27 | 240  | 290873   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 23.52 | 264  | 282968   | 20.00 | ng    | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 5) 2-Fluorophenol           | 5.28  | 112  | 224190   | 75.18 | ng    | 0.00     |
| 7) Phenol-d6                | 6.89  | 99   | 309803   | 74.03 | ng    | 0.01     |
| 23) Nitrobenzene-d5         | 8.85  | 82   | 364031   | 77.30 | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 15.84 | 330  | 115269   | 73.69 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 12.96 | 172  | 688859   | 78.12 | ng    | 0.00     |
| 78) Terphenyl-d14           | 19.71 | 244  | 1000308  | 71.67 | ng    | 0.00     |

| Target Compounds               | R.T.  | QIon | Response | Conc  | Units | Qvalue |
|--------------------------------|-------|------|----------|-------|-------|--------|
| 2) 1,4-Dioxane                 | 3.16  | 88   | 43528    | 37.00 | ng    | 92     |
| 3) Pyridine                    | 3.55  | 79   | 126252   | 35.47 | ng    | 95     |
| 4) n-Nitrosodimethylamine      | 3.47  | 42   | 87473    | 32.38 | ng    | # 98   |
| 6) Aniline                     | 7.02  | 93   | 204806   | 35.38 | ng    | 98     |
| 8) 2-Chlorophenol              | 7.26  | 128  | 132447   | 37.13 | ng    | 99     |
| 9) Benzaldehyde                | 6.83  | 77   | 95667    | 33.81 | ng    | 98     |
| 10) Phenol                     | 6.92  | 94   | 164638   | 37.10 | ng    | 97     |
| 11) bis(2-Chloroethyl)ether    | 7.12  | 93   | 124319   | 37.36 | ng    | 96     |
| 12) 1,3-Dichlorobenzene        | 7.57  | 146  | 141718   | 35.57 | ng    | 98     |
| 13) 1,4-Dichlorobenzene        | 7.72  | 146  | 146492   | 36.43 | ng    | 97     |
| 14) 1,2-Dichlorobenzene        | 8.03  | 146  | 135141   | 35.18 | ng    | 96     |
| 15) Benzyl Alcohol             | 7.93  | 79   | 135365   | 33.29 | ng    | 95     |
| 16) 2,2'-oxybis(1-Chloropropan | 8.23  | 45   | 202777   | 37.59 | ng    | 99     |
| 17) 2-Methylphenol             | 8.16  | 107  | 111417   | 34.63 | ng    | 94     |
| 18) Hexachloroethane           | 8.76  | 117  | 60814    | 36.20 | ng    | 91     |
| 19) n-Nitroso-di-n-propylamine | 8.50  | 70   | 121840   | 33.42 | ng    | 97     |
| 20) 3+4-Methylphenols          | 8.49  | 107  | 156937   | 35.09 | ng    | 93     |
| 22) Acetophenone               | 8.51  | 105  | 196870   | 36.89 | ng    | # 95   |
| 24) Nitrobenzene               | 8.89  | 77   | 176871   | 38.39 | ng    | 97     |
| 25) Isophorone                 | 9.41  | 82   | 314003   | 36.18 | ng    | 99     |
| 26) 2-Nitrophenol              | 9.60  | 139  | 80541    | 39.10 | ng    | 91     |
| 27) 2,4-Dimethylphenol         | 9.67  | 122  | 126581   | 37.34 | ng    | 96     |
| 28) bis(2-Chloroethoxy)methane | 9.90  | 93   | 160912   | 38.08 | ng    | 96     |
| 29) 2,4-Dichlorophenol         | 10.14 | 162  | 122797   | 38.40 | ng    | 98     |
| 30) 1,2,4-Trichlorobenzene     | 10.34 | 180  | 137082   | 37.78 | ng    | 96     |
| 31) Naphthalene                | 10.52 | 128  | 409336   | 38.05 | ng    | # 97   |
| 32) Benzoic acid               | 9.85  | 122  | 85318    | 37.14 | ng    | 93     |
| 33) 4-Chloroaniline            | 10.64 | 127  | 184514   | 36.26 | ng    | 96     |
| 34) Hexachlorobutadiene        | 10.81 | 225  | 87557    | 38.11 | ng    | 99     |
| 35) Caprolactam                | 11.44 | 113  | 52764    | 32.82 | ng    | 92     |
| 36) 4-Chloro-3-methylphenol    | 11.81 | 107  | 143231   | 35.45 | ng    | 96     |
| 37) 2-Methylnaphthalene        | 12.15 | 142  | 302686   | 35.47 | ng    | 99     |
| 39) 1,2,4,5-Tetrachlorobenzene | 12.52 | 216  | 151802   | 41.47 | ng    | 99     |
| 40) Hexachlorocyclopentadiene  | 12.49 | 237  | 48121    | 21.55 | ng    | 97     |

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|--------------------------------|-------|------|----------|-------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 12.77 | 196  | 105004   | 40.44 | ng    | 99       |
| 43) 2,4,5-Trichlorophenol      | 12.86 | 196  | 106603   | 39.84 | ng    | 95       |
| 45) 1,1'-Biphenyl              | 13.17 | 154  | 369554   | 39.65 | ng    | 99       |
| 46) 2-Chloronaphthalene        | 13.20 | 162  | 292811   | 39.68 | ng    | 95       |
| 47) 2-Nitroaniline             | 13.43 | 65   | 112277   | 39.11 | ng    | 98       |
| 48) Acenaphthylene             | 14.06 | 152  | 481222   | 38.08 | ng    | 99       |
| 49) Dimethylphthalate          | 13.80 | 163  | 365991   | 36.17 | ng    | 99       |
| 50) 2,6-Dinitrotoluene         | 13.93 | 165  | 84380    | 37.64 | ng    | 90       |
| 51) Acenaphthene               | 14.40 | 154  | 287233   | 38.48 | ng    | 99       |
| 52) 3-Nitroaniline             | 14.26 | 138  | 94911    | 38.16 | ng    | 98       |
| 53) 2,4-Dinitrophenol          | 14.46 | 184  | 27766    | 21.33 | ng    | 98       |
| 54) Dibenzofuran               | 14.74 | 168  | 415832   | 37.47 | ng    | 99       |
| 55) 4-Nitrophenol              | 14.61 | 139  | 69802    | 34.85 | ng    | 96       |
| 56) 2,4-Dinitrotoluene         | 14.71 | 165  | 119096   | 38.08 | ng    | 91       |
| 57) Fluorene                   | 15.38 | 166  | 369111   | 37.58 | ng    | 95       |
| 58) 2,3,4,6-Tetrachlorophenol  | 14.97 | 232  | 91498    | 37.26 | ng    | 99       |
| 59) Diethylphthalate           | 15.17 | 149  | 376916   | 34.68 | ng    | 99       |
| 60) 4-Chlorophenyl-phenylether | 15.38 | 204  | 187273   | 37.12 | ng    | 95       |
| 61) 4-Nitroaniline             | 15.43 | 138  | 104782   | 37.76 | ng    | 94       |
| 62) Azobenzene                 | 15.68 | 77   | 379886   | 36.59 | ng    | 94       |
| 64) 4,6-Dinitro-2-methylphenol | 15.48 | 198  | 49605    | 26.75 | ng    | 93       |
| 65) n-Nitrosodiphenylamine     | 15.60 | 169  | 324039   | 39.01 | ng    | 99       |
| 66) 4-Bromophenyl-phenylether  | 16.28 | 248  | 109042   | 36.95 | ng    | 97       |
| 67) Hexachlorobenzene          | 16.39 | 284  | 117396   | 37.70 | ng    | 97       |
| 68) Atrazine                   | 16.56 | 200  | 105172   | 34.61 | ng    | 99       |
| 69) Pentachlorophenol          | 16.74 | 266  | 67824    | 34.89 | ng    | 93       |
| 70) Phenanthrene               | 17.13 | 178  | 533378   | 38.23 | ng    | 100      |
| 71) Anthracene                 | 17.22 | 178  | 531134   | 37.56 | ng    | 97       |
| 72) Carbazole                  | 17.49 | 167  | 489933   | 37.71 | ng    | 98       |
| 73) Di-n-butylphthalate        | 18.05 | 149  | 661055   | 38.03 | ng    | 99       |
| 74) Fluoranthene               | 19.14 | 202  | 619304   | 36.96 | ng    | 97       |
| 76) Benzidine                  | 19.34 | 184  | 301328   | 31.73 | ng    | 97       |
| 77) Pyrene                     | 19.51 | 202  | 632712   | 35.45 | ng    | 99       |
| 79) Butylbenzylphthalate       | 20.41 | 149  | 307782   | 37.93 | ng    | 94       |
| 80) Benzo(a)anthracene         | 21.25 | 228  | 635013   | 38.10 | ng    | 99       |
| 81) 3,3'-Dichlorobenzidine     | 21.19 | 252  | 246515   | 38.22 | ng    | 100      |
| 82) Chrysene                   | 21.31 | 228  | 588423   | 37.90 | ng    | 97       |
| 83) Bis(2-ethylhexyl)phthalate | 21.18 | 149  | 433899   | 37.63 | ng    | 100      |
| 84) Di-n-octyl phthalate       | 22.06 | 149  | 744327   | 38.77 | ng    | 100      |
| 85) Indeno(1,2,3-cd)pyrene     | 25.83 | 276  | 706610   | 38.03 | ng    | 97       |
| 87) Benzo(b)fluoranthene       | 22.84 | 252  | 616679m  | 37.39 | ng    |          |
| 88) Benzo(k)fluoranthene       | 22.89 | 252  | 614345   | 39.23 | ng    | 98       |
| 89) Benzo(a)pyrene             | 23.43 | 252  | 583008   | 38.49 | ng    | 98       |
| 90) Dibenzo(a,h)anthracene     | 25.84 | 278  | 599452   | 38.55 | ng    | 96       |
| 91) Benzo(g,h,i)perylene       | 26.54 | 276  | 562133   | 38.40 | ng    | # 95     |

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

