

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG060415\  
 Data File : BG017458.D  
 Acq On : 5 Jun 2015 2:30  
 Operator : TP/IZ  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSTDCCC040

Quant Time: Jun 05 04:38:24 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

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.62  | 152  | 14129    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 10.42 | 136  | 62649    | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 14.29 | 164  | 43295    | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 17.04 | 188  | 107490   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 21.24 | 240  | 133348   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 23.47 | 264  | 128456   | 20.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |        |       |    |      |
|--------------------------|-------|-----|--------|-------|----|------|
| 5) 2-Fluorophenol        | 5.21  | 112 | 66760  | 83.25 | ng | 0.00 |
| 7) Phenol-d6             | 6.82  | 99  | 92694  | 84.84 | ng | 0.00 |
| 23) Nitrobenzene-d5      | 8.79  | 82  | 104708 | 83.43 | ng | 0.00 |
| 41) 2,4,6-Tribromophenol | 15.79 | 330 | 48581  | 80.79 | ng | 0.00 |
| 44) 2-Fluorobiphenyl     | 12.91 | 172 | 228319 | 79.55 | ng | 0.00 |
| 78) Terphenyl-d14        | 19.68 | 244 | 524205 | 81.25 | ng | 0.00 |

## Target Compounds

|                                |       |     |        |       |    | Qvalue |
|--------------------------------|-------|-----|--------|-------|----|--------|
| 2) 1,4-Dioxane                 | 3.08  | 88  | 14117  | 39.11 | ng | 93     |
| 3) Pyridine                    | 3.48  | 79  | 37012  | 38.39 | ng | 90     |
| 4) n-Nitrosodimethylamine      | 3.40  | 42  | 28971  | 45.84 | ng | 89     |
| 6) Aniline                     | 6.96  | 93  | 59900  | 40.84 | ng | 97     |
| 8) 2-Chlorophenol              | 7.19  | 128 | 37549  | 39.59 | ng | 90     |
| 9) Benzaldehyde                | 6.77  | 77  | 31028  | 41.84 | ng | 98     |
| 10) Phenol                     | 6.85  | 94  | 48499  | 43.22 | ng | 97     |
| 11) bis(2-Chloroethyl)ether    | 7.06  | 93  | 36716  | 42.94 | ng | 96     |
| 12) 1,3-Dichlorobenzene        | 7.51  | 146 | 43201  | 40.75 | ng | 95     |
| 13) 1,4-Dichlorobenzene        | 7.66  | 146 | 44948  | 40.46 | ng | 93     |
| 14) 1,2-Dichlorobenzene        | 7.97  | 146 | 42328  | 40.70 | ng | 100    |
| 15) Benzyl Alcohol             | 7.87  | 79  | 42784  | 42.06 | ng | 97     |
| 16) 2,2'-oxybis(1-Chloropropan | 8.17  | 45  | 62580  | 43.42 | ng | 93     |
| 17) 2-Methylphenol             | 8.09  | 107 | 36074  | 42.37 | ng | 95     |
| 18) Hexachloroethane           | 8.70  | 117 | 18345  | 41.39 | ng | 94     |
| 19) n-Nitroso-di-n-propylamine | 8.43  | 70  | 39065  | 42.26 | ng | 93     |
| 20) 3+4-Methylphenols          | 8.42  | 107 | 48703  | 41.34 | ng | 92     |
| 22) Acetophenone               | 8.45  | 105 | 62504  | 40.70 | ng | # 96   |
| 24) Nitrobenzene               | 8.83  | 77  | 56612  | 43.45 | ng | 93     |
| 25) Isophorone                 | 9.35  | 82  | 101399 | 38.63 | ng | 96     |
| 26) 2-Nitrophenol              | 9.54  | 139 | 24240  | 40.12 | ng | 98     |
| 27) 2,4-Dimethylphenol         | 9.62  | 122 | 40100  | 40.81 | ng | 92     |
| 28) bis(2-Chloroethoxy)methane | 9.84  | 93  | 48712  | 40.62 | ng | 96     |
| 29) 2,4-Dichlorophenol         | 10.09 | 162 | 39594  | 41.35 | ng | 97     |
| 30) 1,2,4-Trichlorobenzene     | 10.28 | 180 | 45962  | 40.82 | ng | 96     |
| 31) Naphthalene                | 10.47 | 128 | 132905 | 40.60 | ng | 96     |
| 32) Benzoic acid               | 9.78  | 122 | 20353  | 32.77 | ng | 95     |
| 33) 4-Chloroaniline            | 10.59 | 127 | 58775  | 40.47 | ng | 97     |
| 34) Hexachlorobutadiene        | 10.75 | 225 | 30264  | 41.30 | ng | # 82   |
| 35) Caprolactam                | 11.37 | 113 | 20057  | 38.06 | ng | 97     |
| 36) 4-Chloro-3-methylphenol    | 11.74 | 107 | 52097  | 41.82 | ng | 87     |
| 37) 2-Methylnaphthalene        | 12.09 | 142 | 103689 | 41.21 | ng | 98     |
| 39) 1,2,4,5-Tetrachlorobenzene | 12.46 | 216 | 53338  | 40.49 | ng | 96     |
| 40) Hexachlorocyclopentadiene  | 12.44 | 237 | 24687  | 35.86 | ng | 94     |

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Quant Time: Jun 05 04:38:24 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

| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 12.72 | 196  | 38202    | 40.50 | ng    | 96       |
| 43) 2,4,5-Trichlorophenol      | 12.81 | 196  | 41055    | 39.73 | ng    | 95       |
| 45) 1,1'-Biphenyl              | 13.12 | 154  | 128147   | 40.50 | ng    | 98       |
| 46) 2-Chloronaphthalene        | 13.16 | 162  | 108612   | 41.05 | ng    | 97       |
| 47) 2-Nitroaniline             | 13.38 | 65   | 41123    | 42.09 | ng    | 97       |
| 48) Acenaphthylene             | 14.01 | 152  | 190694   | 40.91 | ng    | 99       |
| 49) Dimethylphthalate          | 13.76 | 163  | 142597   | 37.84 | ng    | 98       |
| 50) 2,6-Dinitrotoluene         | 13.88 | 165  | 34557    | 40.81 | ng    | 92       |
| 51) Acenaphthene               | 14.36 | 154  | 111811   | 40.69 | ng    | 99       |
| 52) 3-Nitroaniline             | 14.21 | 138  | 35384    | 38.59 | ng    | # 80     |
| 53) 2,4-Dinitrophenol          | 14.42 | 184  | 16358    | 35.10 | ng    | 93       |
| 54) Dibenzofuran               | 14.69 | 168  | 165088   | 40.73 | ng    | 95       |
| 55) 4-Nitrophenol              | 14.56 | 139  | 27822    | 38.44 | ng    | 96       |
| 56) 2,4-Dinitrotoluene         | 14.67 | 165  | 47293    | 39.21 | ng    | 88       |
| 57) Fluorene                   | 15.34 | 166  | 151818   | 41.30 | ng    | 97       |
| 58) 2,3,4,6-Tetrachlorophenol  | 14.93 | 232  | 37342    | 39.62 | ng    | 95       |
| 59) Diethylphthalate           | 15.13 | 149  | 154164   | 37.69 | ng    | 98       |
| 60) 4-Chlorophenyl-phenylether | 15.34 | 204  | 75067    | 40.30 | ng    | 97       |
| 61) 4-Nitroaniline             | 15.38 | 138  | 41704    | 41.30 | ng    | 89       |
| 62) Azobenzene                 | 15.63 | 77   | 168193   | 43.26 | ng    | 96       |
| 64) 4,6-Dinitro-2-methylphenol | 15.44 | 198  | 30419    | 38.17 | ng    | 94       |
| 65) n-Nitrosodiphenylamine     | 15.56 | 169  | 132777   | 41.42 | ng    | 98       |
| 66) 4-Bromophenyl-phenylether  | 16.24 | 248  | 48260    | 40.56 | ng    | 96       |
| 67) Hexachlorobenzene          | 16.35 | 284  | 51575    | 40.32 | ng    | 95       |
| 68) Atrazine                   | 16.51 | 200  | 56575    | 40.10 | ng    | 97       |
| 69) Pentachlorophenol          | 16.70 | 266  | 27991    | 38.79 | ng    | 95       |
| 70) Phenanthrene               | 17.08 | 178  | 243190   | 40.58 | ng    | 99       |
| 71) Anthracene                 | 17.17 | 178  | 247901   | 41.40 | ng    | 98       |
| 72) Carbazole                  | 17.45 | 167  | 238141   | 40.28 | ng    | 96       |
| 73) Di-n-butylphthalate        | 18.02 | 149  | 305800   | 40.39 | ng    | 99       |
| 74) Fluoranthene               | 19.10 | 202  | 320727   | 40.92 | ng    | 99       |
| 76) Benzidine                  | 19.30 | 184  | 164932   | 35.99 | ng    | 99       |
| 77) Pyrene                     | 19.47 | 202  | 325350   | 39.61 | ng    | 99       |
| 79) Butylbenzylphthalate       | 20.37 | 149  | 143633   | 40.41 | ng    | 98       |
| 80) Benzo(a)anthracene         | 21.22 | 228  | 330383   | 40.28 | ng    | 97       |
| 81) 3,3'-Dichlorobenzidine     | 21.15 | 252  | 123848   | 40.42 | ng    | 98       |
| 82) Chrysene                   | 21.27 | 228  | 298378   | 40.18 | ng    | 99       |
| 83) Bis(2-ethylhexyl)phthalate | 21.15 | 149  | 210167   | 41.00 | ng    | 99       |
| 84) Di-n-octyl phthalate       | 22.02 | 149  | 346820   | 40.35 | ng    | 98       |
| 85) Indeno(1,2,3-cd)pyrene     | 25.74 | 276  | 383115   | 41.09 | ng    | 99       |
| 87) Benzo(b)fluoranthene       | 22.79 | 252  | 333561   | 40.98 | ng    | 99       |
| 88) Benzo(k)fluoranthene       | 22.84 | 252  | 321554   | 41.28 | ng    | 98       |
| 89) Benzo(a)pyrene             | 23.37 | 252  | 304960   | 40.85 | ng    | 99       |
| 90) Dibenzo(a,h)anthracene     | 25.76 | 278  | 320376   | 41.30 | ng    | 97       |
| 91) Benzo(g,h,i)perylene       | 26.44 | 276  | 303877   | 41.16 | ng    | 97       |

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

