

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG051315\  
 Data File : BG017104.D  
 Acq On : 13 May 2015 13:25  
 Operator : TP/IZ  
 Sample : SSTDICCC040  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSTDICCC040

Quant Time: May 13 16:05:25 2015  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG051315.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed May 13 15:48:45 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.71  | 152  | 40042    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 10.50 | 136  | 190993   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 14.37 | 164  | 127257   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 17.11 | 188  | 281684   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 21.30 | 240  | 280440   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 23.57 | 264  | 280583   | 20.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |         |       |    |      |
|--------------------------|-------|-----|---------|-------|----|------|
| 5) 2-Fluorophenol        | 5.31  | 112 | 188875  | 81.35 | ng | 0.00 |
| 7) Phenol-d6             | 6.91  | 99  | 266625  | 80.45 | ng | 0.00 |
| 23) Nitrobenzene-d5      | 8.87  | 82  | 337925  | 84.54 | ng | 0.00 |
| 41) 2,4,6-Tribromophenol | 15.86 | 330 | 126066  | 94.83 | ng | 0.00 |
| 44) 2-Fluorobiphenyl     | 12.98 | 172 | 711976  | 83.27 | ng | 0.00 |
| 78) Terphenyl-d14        | 19.75 | 244 | 1103801 | 89.62 | ng | 0.00 |

## Target Compounds

|                                |       |     |        |       |    | Qvalue |
|--------------------------------|-------|-----|--------|-------|----|--------|
| 2) 1,4-Dioxane                 | 3.18  | 88  | 35179  | 36.69 | ng | 100    |
| 3) Pyridine                    | 3.57  | 79  | 112080 | 37.87 | ng | 100    |
| 4) n-Nitrosodimethylamine      | 3.50  | 42  | 85268  | 45.89 | ng | 100    |
| 6) Aniline                     | 7.04  | 93  | 184840 | 39.79 | ng | 100    |
| 8) 2-Chlorophenol              | 7.28  | 128 | 112770 | 41.65 | ng | 100    |
| 9) Benzaldehyde                | 6.85  | 77  | 85127  | 37.47 | ng | 100    |
| 10) Phenol                     | 6.93  | 94  | 139198 | 39.29 | ng | 100    |
| 11) bis(2-Chloroethyl)ether    | 7.14  | 93  | 107335 | 39.26 | ng | 100    |
| 12) 1,3-Dichlorobenzene        | 7.60  | 146 | 121339 | 40.73 | ng | 100    |
| 13) 1,4-Dichlorobenzene        | 7.74  | 146 | 124431 | 41.29 | ng | 100    |
| 14) 1,2-Dichlorobenzene        | 8.06  | 146 | 119897 | 41.41 | ng | 100    |
| 15) Benzyl Alcohol             | 7.95  | 79  | 128315 | 42.06 | ng | 100    |
| 16) 2,2'-oxybis(1-Chloropropan | 8.25  | 45  | 166569 | 33.55 | ng | 100    |
| 17) 2-Methylphenol             | 8.18  | 107 | 98686  | 39.55 | ng | 100    |
| 18) Hexachloroethane           | 8.79  | 117 | 52134  | 41.93 | ng | 100    |
| 19) n-Nitroso-di-n-propylamine | 8.52  | 70  | 115132 | 39.62 | ng | 100    |
| 20) 3+4-Methylphenols          | 8.51  | 107 | 142584 | 41.19 | ng | 100    |
| 22) Acetophenone               | 8.54  | 105 | 187201 | 40.62 | ng | 100    |
| 24) Nitrobenzene               | 8.91  | 77  | 160597 | 40.19 | ng | 100    |
| 25) Isophorone                 | 9.44  | 82  | 312077 | 39.17 | ng | 100    |
| 26) 2-Nitrophenol              | 9.62  | 139 | 73169  | 44.25 | ng | 100    |
| 27) 2,4-Dimethylphenol         | 9.70  | 122 | 116995 | 39.90 | ng | 100    |
| 28) bis(2-Chloroethoxy)methane | 9.92  | 93  | 149562 | 37.34 | ng | 100    |
| 29) 2,4-Dichlorophenol         | 10.17 | 162 | 115037 | 41.20 | ng | 100    |
| 30) 1,2,4-Trichlorobenzene     | 10.37 | 180 | 128795 | 43.14 | ng | 100    |
| 31) Naphthalene                | 10.56 | 128 | 382716 | 39.79 | ng | 100    |
| 32) Benzoic acid               | 9.85  | 122 | 82274  | 45.96 | ng | 100    |
| 33) 4-Chloroaniline            | 10.68 | 127 | 184979 | 41.50 | ng | 100    |
| 34) Hexachlorobutadiene        | 10.85 | 225 | 81896  | 43.60 | ng | 100    |
| 35) Caprolactam                | 11.44 | 113 | 54606  | 38.07 | ng | 100    |
| 36) 4-Chloro-3-methylphenol    | 11.83 | 107 | 144980 | 40.62 | ng | 100    |
| 37) 2-Methylnaphthalene        | 12.17 | 142 | 292743 | 39.90 | ng | 100    |
| 39) 1,2,4,5-Tetrachlorobenzene | 12.54 | 216 | 148604 | 42.45 | ng | 100    |
| 40) Hexachlorocyclopentadiene  | 12.53 | 237 | 90523  | 40.35 | ng | 100    |

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|--------------------------------|-------|------|----------|-------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 12.80 | 196  | 108006   | 43.65 | ng    | 100      |
| 43) 2,4,5-Trichlorophenol      | 12.88 | 196  | 108539   | 41.51 | ng    | 100      |
| 45) 1,1'-Biphenyl              | 13.20 | 154  | 377037   | 40.93 | ng    | 100      |
| 46) 2-Chloronaphthalene        | 13.24 | 162  | 297333   | 40.78 | ng    | 100      |
| 47) 2-Nitroaniline             | 13.45 | 65   | 114775   | 44.64 | ng    | 100      |
| 48) Acenaphthylene             | 14.09 | 152  | 516510   | 40.70 | ng    | 100      |
| 49) Dimethylphthalate          | 13.83 | 163  | 407260   | 42.14 | ng    | 100      |
| 50) 2,6-Dinitrotoluene         | 13.95 | 165  | 93043    | 45.95 | ng    | 100      |
| 51) Acenaphthene               | 14.43 | 154  | 299189   | 39.73 | ng    | 100      |
| 52) 3-Nitroaniline             | 14.28 | 138  | 101120   | 44.29 | ng    | 100      |
| 53) 2,4-Dinitrophenol          | 14.48 | 184  | 55668    | 55.80 | ng    | 100      |
| 54) Dibenzofuran               | 14.76 | 168  | 445542   | 41.47 | ng    | 100      |
| 55) 4-Nitrophenol              | 14.63 | 139  | 79770    | 41.36 | ng    | 100      |
| 56) 2,4-Dinitrotoluene         | 14.74 | 165  | 126844   | 48.38 | ng    | 100      |
| 57) Fluorene                   | 15.42 | 166  | 401776   | 42.07 | ng    | 100      |
| 58) 2,3,4,6-Tetrachlorophenol  | 15.00 | 232  | 101352   | 44.50 | ng    | 100      |
| 59) Diethylphthalate           | 15.20 | 149  | 430410   | 42.18 | ng    | 100      |
| 60) 4-Chlorophenyl-phenylether | 15.41 | 204  | 206221   | 42.71 | ng    | 100      |
| 61) 4-Nitroaniline             | 15.45 | 138  | 113809   | 42.99 | ng    | 100      |
| 62) Azobenzene                 | 15.70 | 77   | 418253   | 39.94 | ng    | 100      |
| 64) 4,6-Dinitro-2-methylphenol | 15.50 | 198  | 81871    | 53.84 | ng    | 100      |
| 65) n-Nitrosodiphenylamine     | 15.63 | 169  | 354811   | 40.70 | ng    | 100      |
| 66) 4-Bromophenyl-phenylether  | 16.30 | 248  | 125100   | 43.18 | ng    | 100      |
| 67) Hexachlorobenzene          | 16.42 | 284  | 132465   | 43.27 | ng    | 100      |
| 68) Atrazine                   | 16.59 | 200  | 132722   | 42.19 | ng    | 100      |
| 69) Pentachlorophenol          | 16.77 | 266  | 84936    | 42.97 | ng    | 100      |
| 70) Phenanthrene               | 17.16 | 178  | 603463   | 41.04 | ng    | 100      |
| 71) Anthracene                 | 17.24 | 178  | 603607   | 40.73 | ng    | 100      |
| 72) Carbazole                  | 17.52 | 167  | 555725   | 39.72 | ng    | 100      |
| 73) Di-n-butylphthalate        | 18.08 | 149  | 739206   | 40.58 | ng    | 100      |
| 74) Fluoranthene               | 19.18 | 202  | 715156   | 41.91 | ng    | 100      |
| 76) Benzidine                  | 19.37 | 184  | 384444   | 40.20 | ng    | 100      |
| 77) Pyrene                     | 19.54 | 202  | 708653   | 41.97 | ng    | 100      |
| 79) Butylbenzylphthalate       | 20.44 | 149  | 321889   | 40.45 | ng    | 100      |
| 80) Benzo(a)anthracene         | 21.29 | 228  | 664685   | 43.17 | ng    | 100      |
| 81) 3,3'-Dichlorobenzidine     | 21.22 | 252  | 254655   | 42.52 | ng    | 100      |
| 82) Chrysene                   | 21.33 | 228  | 614616   | 42.73 | ng    | 100      |
| 83) Bis(2-ethylhexyl)phthalate | 21.22 | 149  | 465935   | 42.53 | ng    | 100      |
| 84) Di-n-octyl phthalate       | 22.10 | 149  | 759922   | 41.48 | ng    | 100      |
| 85) Indeno(1,2,3-cd)pyrene     | 25.89 | 276  | 742595   | 43.02 | ng    | 100      |
| 87) Benzo(b)fluoranthene       | 22.88 | 252  | 653220   | 41.17 | ng    | 100      |
| 88) Benzo(k)fluoranthene       | 22.93 | 252  | 639762   | 41.77 | ng    | 100      |
| 89) Benzo(a)pyrene             | 23.47 | 252  | 606892   | 41.03 | ng    | 100      |
| 90) Dibenzo(a,h)anthracene     | 25.90 | 278  | 619694   | 40.91 | ng    | 100      |
| 91) Benzo(g,h,i)perylene       | 26.60 | 276  | 586888   | 40.63 | ng    | 100      |

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

