

Data Path : Z:\HPCHEM1\BNA G\DATA\BG071316\  
 Data File : BG023087.D  
 Acq On : 14 Jul 2016 3:52  
 Operator : UM/SJ  
 Sample : PB92093BS  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB92093BS

Quant Time: Jul 14 04:52:47 2016  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG070816.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jul 12 18:30:58 2016  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.15  | 152  | 100984   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 10.98 | 136  | 471291   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 14.80 | 164  | 372078   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 17.56 | 188  | 913320   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 21.86 | 240  | 958092   | 20.00 | ng    | 0.02     |
| 86) Perylene-d12          | 25.25 | 264  | 972088   | 20.00 | ng    | 0.06     |

## System Monitoring Compounds

|                          |       |     |         |       |    |      |
|--------------------------|-------|-----|---------|-------|----|------|
| 5) 2-Fluorophenol        | 5.70  | 112 | 481770  | 78.03 | ng | 0.00 |
| 7) Phenol-d6             | 7.31  | 99  | 775693  | 80.21 | ng | 0.00 |
| 23) Nitrobenzene-d5      | 9.33  | 82  | 803376  | 72.99 | ng | 0.00 |
| 41) 2,4,6-Tribromophenol | 16.29 | 330 | 412480  | 61.68 | ng | 0.00 |
| 44) 2-Fluorobiphenyl     | 13.42 | 172 | 1697146 | 71.85 | ng | 0.00 |
| 78) Terphenyl-d14        | 20.16 | 244 | 2531740 | 83.11 | ng | 0.00 |

## Target Compounds

|                                |       |     |         |       |    | Qvalue |
|--------------------------------|-------|-----|---------|-------|----|--------|
| 2) 1,4-Dioxane                 | 3.56  | 88  | 106036  | 44.18 | ng | 92     |
| 3) Pyridine                    | 3.97  | 79  | 232902  | 28.36 | ng | 96     |
| 4) n-Nitrosodimethylamine      | 3.89  | 42  | 124843  | 35.43 | ng | # 95   |
| 6) Aniline                     | 7.47  | 93  | 355912  | 26.56 | ng | 99     |
| 8) 2-Chlorophenol              | 7.72  | 128 | 262792  | 39.99 | ng | 99     |
| 9) Benzaldehyde                | 7.28  | 77  | 116311  | 18.00 | ng | # 83   |
| 10) Phenol                     | 7.34  | 94  | 418980  | 42.11 | ng | 90     |
| 11) bis(2-Chloroethyl)ether    | 7.56  | 93  | 271486  | 34.42 | ng | 94     |
| 12) 1,3-Dichlorobenzene        | 8.04  | 146 | 255819  | 31.81 | ng | 95     |
| 13) 1,4-Dichlorobenzene        | 8.19  | 146 | 264164  | 32.81 | ng | 98     |
| 14) 1,2-Dichlorobenzene        | 8.51  | 146 | 254145  | 31.75 | ng | 95     |
| 15) Benzyl Alcohol             | 8.39  | 79  | 365854  | 41.30 | ng | 98     |
| 16) 2,2'-oxybis(1-Chloropropan | 8.68  | 45  | 334003  | 34.67 | ng | 93     |
| 17) 2-Methylphenol             | 8.60  | 107 | 271139  | 41.86 | ng | 95     |
| 18) Hexachloroethane           | 9.24  | 117 | 108282  | 31.86 | ng | 98     |
| 19) n-Nitroso-di-n-propylamine | 8.96  | 70  | 293356  | 33.65 | ng | # 98   |
| 20) 3+4-Methylphenols          | 8.93  | 107 | 379264  | 41.99 | ng | 97     |
| 22) Acetophenone               | 8.98  | 105 | 468176  | 33.10 | ng | # 92   |
| 24) Nitrobenzene               | 9.37  | 77  | 434958  | 37.19 | ng | # 92   |
| 25) Isophorone                 | 9.89  | 82  | 783849  | 35.41 | ng | 96     |
| 26) 2-Nitrophenol              | 10.08 | 139 | 173175  | 37.74 | ng | 97     |
| 27) 2,4-Dimethylphenol         | 10.14 | 122 | 314764  | 39.68 | ng | 88     |
| 28) bis(2-Chloroethoxy)methane | 10.37 | 93  | 450596  | 36.50 | ng | 99     |
| 29) 2,4-Dichlorophenol         | 10.63 | 162 | 348125  | 41.15 | ng | 99     |
| 30) 1,2,4-Trichlorobenzene     | 10.84 | 180 | 330664  | 34.11 | ng | 98     |
| 31) Naphthalene                | 11.04 | 128 | 838480  | 34.95 | ng | 99     |
| 32) Benzoic acid               | 10.28 | 122 | 220457  | 30.55 | ng | 90     |
| 33) 4-Chloroaniline            | 11.14 | 127 | 225374  | 19.21 | ng | 94     |
| 34) Hexachlorobutadiene        | 11.31 | 225 | 248787  | 31.65 | ng | 99     |
| 35) Caprolactam                | 11.92 | 113 | 119416m | 34.31 | ng |        |
| 36) 4-Chloro-3-methylphenol    | 12.26 | 107 | 451927  | 39.05 | ng | 98     |
| 37) 2-Methylnaphthalene        | 12.63 | 142 | 697158  | 36.77 | ng | 97     |
| 39) 1,2,4,5-Tetrachlorobenzene | 13.00 | 216 | 452031  | 28.19 | ng | 99     |
| 40) Hexachlorocyclopentadiene  | 12.98 | 237 | 593683  | 64.32 | ng | 98     |

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|--------------------------------|-------|------|----------|-------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 13.23 | 196  | 335681   | 36.42 | nq    | 96       |
| 43) 2,4,5-Trichlorophenol      | 13.32 | 196  | 356048   | 37.62 | nq    | 95       |
| 45) 1,1'-Biphenyl              | 13.63 | 154  | 998323   | 35.76 | nq    | 97       |
| 46) 2-Chloronaphthalene        | 13.68 | 162  | 830330   | 36.67 | nq    | 97       |
| 47) 2-Nitroaniline             | 13.89 | 65   | 362447   | 37.51 | nq    | 95       |
| 48) Acenaphthylene             | 14.53 | 152  | 1258990  | 37.06 | nq    | 99       |
| 49) Dimethylphthalate          | 14.25 | 163  | 1128544  | 37.13 | nq    | 98       |
| 50) 2,6-Dinitrotoluene         | 14.38 | 165  | 256200   | 37.51 | nq    | 87       |
| 51) Acenaphthene               | 14.87 | 154  | 816379   | 36.78 | nq    | 99       |
| 52) 3-Nitroaniline             | 14.71 | 138  | 171057   | 25.11 | nq    | 91       |
| 53) 2,4-Dinitrophenol          | 14.91 | 184  | 319749   | 68.22 | nq    | 97       |
| 54) Dibenzofuran               | 15.20 | 168  | 1328941  | 39.99 | nq    | 99       |
| 55) 4-Nitrophenol              | 15.03 | 139  | 391906   | 68.64 | nq    | 95       |
| 56) 2,4-Dinitrotoluene         | 15.16 | 165  | 373929   | 37.55 | nq    | # 99     |
| 57) Fluorene                   | 15.85 | 166  | 1067298  | 37.32 | nq    | 99       |
| 58) 2,3,4,6-Tetrachlorophenol  | 15.43 | 232  | 364850   | 38.53 | nq    | 98       |
| 59) Diethylphthalate           | 15.61 | 149  | 1185682  | 38.34 | nq    | 99       |
| 60) 4-Chlorophenyl-phenylether | 15.84 | 204  | 624301   | 35.84 | nq    | 97       |
| 61) 4-Nitroaniline             | 15.88 | 138  | 258907   | 35.13 | nq    | # 80     |
| 62) Azobenzene                 | 16.13 | 77   | 1301005  | 43.98 | nq    | 94       |
| 64) 4,6-Dinitro-2-methylphenol | 15.92 | 198  | 237689   | 35.02 | nq    | 97       |
| 65) n-Nitrosodiphenylamine     | 16.05 | 169  | 1009219  | 38.35 | nq    | 98       |
| 66) 4-Bromophenyl-phenylether  | 16.74 | 248  | 420770   | 35.41 | nq    | 96       |
| 67) Hexachlorobenzene          | 16.86 | 284  | 449865   | 34.82 | nq    | 99       |
| 68) Atrazine                   | 17.00 | 200  | 410159   | 35.14 | nq    | 96       |
| 69) Pentachlorophenol          | 17.21 | 266  | 564468   | 67.46 | nq    | 95       |
| 70) Phenanthrene               | 17.60 | 178  | 1733760  | 38.74 | nq    | 99       |
| 71) Anthracene                 | 17.69 | 178  | 1767679  | 39.00 | nq    | 99       |
| 72) Carbazole                  | 17.96 | 167  | 1541830  | 39.37 | nq    | 99       |
| 73) Di-n-butylphthalate        | 18.50 | 149  | 1851507  | 42.51 | nq    | 99       |
| 74) Fluoranthene               | 19.61 | 202  | 2007684  | 36.55 | nq    | 97       |
| 76) Benzidine                  | 19.79 | 184  | 873050   | 31.79 | nq    | 98       |
| 77) Pyrene                     | 19.97 | 202  | 2035784  | 37.81 | nq    | 99       |
| 79) Butylbenzylphthalate       | 20.84 | 149  | 890952   | 41.78 | nq    | 97       |
| 80) Benzo(a)anthracene         | 21.85 | 228  | 2141415  | 39.95 | nq    | 97       |
| 81) 3,3'-Dichlorobenzidine     | 21.75 | 252  | 658354   | 27.98 | nq    | # 99     |
| 82) Chrysene                   | 21.91 | 228  | 1970983  | 39.20 | nq    | 99       |
| 83) Bis(2-ethylhexyl)phthalate | 21.72 | 149  | 1224473  | 41.35 | nq    | 99       |
| 84) Di-n-octyl phthalate       | 22.99 | 149  | 2057734  | 41.67 | nq    | 98       |
| 85) Indeno(1,2,3-cd)pyrene     | 29.12 | 276  | 2354722  | 36.73 | nq    | # 100    |
| 87) Benzo(b)fluoranthene       | 24.17 | 252  | 2206215  | 39.34 | nq    | # 98     |
| 88) Benzo(k)fluoranthene       | 24.24 | 252  | 2131069  | 40.04 | nq    | # 98     |
| 89) Benzo(a)pyrene             | 25.09 | 252  | 2155350  | 40.09 | nq    | # 99     |
| 90) Dibenzo(a,h)anthracene     | 29.19 | 278  | 2007457  | 37.62 | nq    | # 98     |
| 91) Benzo(g,h,i)perylene       | 30.33 | 276  | 1900694  | 35.57 | nq    | # 97     |

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

