

Data Path : Z:\HPCHEM1\BNA G\DATA\BG042015\  
 Data File : BG016548.D  
 Acq On : 20 Apr 2015 13:10  
 Operator : TP/IZ  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSTDCCC040

Quant Time: Apr 21 01:47:05 2015  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG040615.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Apr 21 01:34:55 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.64  | 152  | 62969    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 10.43 | 136  | 286305   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 14.29 | 164  | 171430   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 17.03 | 188  | 351315   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 21.22 | 240  | 303377   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 23.44 | 264  | 288920   | 20.00 | ng    | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 5) 2-Fluorophenol           | 5.23  | 112  | 323242   | 81.01 | ng    | 0.00     |
| 7) Phenol-d6                | 6.83  | 99   | 456066   | 76.14 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 8.81  | 82   | 386073   | 78.12 | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 15.79 | 330  | 104522   | 90.15 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 12.91 | 172  | 847584   | 84.18 | ng    | 0.00     |
| 78) Terphenyl-d14           | 19.66 | 244  | 1049588  | 80.97 | ng    | 0.00     |

| Target Compounds               | R.T.  | QIon | Response | Conc  | Units | Qvalue |
|--------------------------------|-------|------|----------|-------|-------|--------|
| 2) 1,4-Dioxane                 | 3.12  | 88   | 69054    | 38.07 | ng    | 98     |
| 3) Pyridine                    | 3.51  | 79   | 206486   | 38.09 | ng    | 96     |
| 4) n-Nitrosodimethylamine      | 3.44  | 42   | 59737    | 37.07 | ng    | 96     |
| 6) Aniline                     | 6.97  | 93   | 316335   | 36.98 | ng    | 98     |
| 8) 2-Chlorophenol              | 7.21  | 128  | 193409   | 40.37 | ng    | 93     |
| 9) Benzaldehyde                | 6.79  | 77   | 89001    | 25.37 | ng    | 92     |
| 10) Phenol                     | 6.86  | 94   | 238098   | 37.15 | ng    | 99     |
| 11) bis(2-Chloroethyl)ether    | 7.08  | 93   | 178359   | 34.90 | ng    | 97     |
| 12) 1,3-Dichlorobenzene        | 7.53  | 146  | 198511   | 41.03 | ng    | 97     |
| 13) 1,4-Dichlorobenzene        | 7.68  | 146  | 201651   | 40.17 | ng    | 97     |
| 14) 1,2-Dichlorobenzene        | 8.00  | 146  | 191145   | 39.82 | ng    | 98     |
| 15) Benzyl Alcohol             | 7.89  | 79   | 154492   | 37.00 | ng    | 96     |
| 16) 2,2'-oxybis(1-Chloropropan | 8.18  | 45   | 178733   | 31.06 | ng    | 96     |
| 17) 2-Methylphenol             | 8.10  | 107  | 162253   | 37.76 | ng    | 97     |
| 18) Hexachloroethane           | 8.71  | 117  | 71043    | 37.00 | ng    | 97     |
| 19) n-Nitroso-di-n-propylamine | 8.45  | 70   | 149026   | 34.73 | ng    | 96     |
| 20) 3+4-Methylphenols          | 8.43  | 107  | 230115   | 38.66 | ng    | 97     |
| 22) Acetophenone               | 8.47  | 105  | 265038   | 39.92 | ng    | # 96   |
| 24) Nitrobenzene               | 8.85  | 77   | 199689   | 37.78 | ng    | 90     |
| 25) Isophorone                 | 9.36  | 82   | 423798   | 38.61 | ng    | 95     |
| 26) 2-Nitrophenol              | 9.55  | 139  | 118791   | 48.20 | ng    | 96     |
| 27) 2,4-Dimethylphenol         | 9.62  | 122  | 196820   | 42.87 | ng    | 99     |
| 28) bis(2-Chloroethoxy)methane | 9.85  | 93   | 239128   | 38.17 | ng    | 99     |
| 29) 2,4-Dichlorophenol         | 10.09 | 162  | 172904   | 47.60 | ng    | 95     |
| 30) 1,2,4-Trichlorobenzene     | 10.30 | 180  | 168453   | 44.42 | ng    | 99     |
| 31) Naphthalene                | 10.48 | 128  | 604210   | 40.50 | ng    | 99     |
| 32) Benzoic acid               | 9.77  | 122  | 102302   | 36.68 | ng    | 98     |
| 33) 4-Chloroaniline            | 10.60 | 127  | 302752   | 43.25 | ng    | 96     |
| 34) Hexachlorobutadiene        | 10.76 | 225  | 74950    | 44.99 | ng    | 99     |
| 35) Caprolactam                | 11.38 | 113  | 105774   | 46.25 | ng    | 92     |
| 36) 4-Chloro-3-methylphenol    | 11.74 | 107  | 202433   | 42.19 | ng    | 92     |
| 37) 2-Methylnaphthalene        | 12.10 | 142  | 445051   | 41.47 | ng    | 99     |
| 39) 1,2,4,5-Tetrachlorobenzene | 12.48 | 216  | 164276   | 43.52 | ng    | 98     |
| 40) Hexachlorocyclopentadiene  | 12.46 | 237  | 56944    | 32.96 | ng    | 96     |

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| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 12.73 | 196  | 132262   | 47.16 | nq    | 98       |
| 43) 2,4,5-Trichlorophenol      | 12.80 | 196  | 139039   | 46.40 | nq    | 97       |
| 45) 1,1'-Biphenyl              | 13.13 | 154  | 538582   | 40.95 | nq    | 97       |
| 46) 2-Chloronaphthalene        | 13.17 | 162  | 416490   | 41.58 | nq    | 99       |
| 47) 2-Nitroaniline             | 13.38 | 65   | 126277   | 39.11 | nq    | 87       |
| 48) Acenaphthylene             | 14.01 | 152  | 731508   | 41.07 | nq    | 99       |
| 49) Dimethylphthalate          | 13.76 | 163  | 528193   | 42.04 | nq    | 99       |
| 50) 2,6-Dinitrotoluene         | 13.88 | 165  | 129627   | 42.66 | nq    | 90       |
| 51) Acenaphthene               | 14.36 | 154  | 436098   | 40.97 | nq    | 97       |
| 52) 3-Nitroaniline             | 14.21 | 138  | 163476   | 42.13 | nq    | 90       |
| 53) 2,4-Dinitrophenol          | 14.42 | 184  | 46967    | 32.21 | nq    | # 91     |
| 54) Dibenzofuran               | 14.69 | 168  | 606376   | 41.05 | nq    | 98       |
| 55) 4-Nitrophenol              | 14.54 | 139  | 122244   | 38.12 | nq    | 92       |
| 56) 2,4-Dinitrotoluene         | 14.67 | 165  | 183349   | 44.30 | nq    | 89       |
| 57) Fluorene                   | 15.34 | 166  | 539847   | 41.43 | nq    | 99       |
| 58) 2,3,4,6-Tetrachlorophenol  | 14.93 | 232  | 103956   | 44.95 | nq    | 93       |
| 59) Diethylphthalate           | 15.12 | 149  | 562522   | 42.06 | nq    | 99       |
| 60) 4-Chlorophenyl-phenylether | 15.34 | 204  | 221843   | 41.62 | nq    | 94       |
| 61) 4-Nitroaniline             | 15.38 | 138  | 183823   | 41.73 | nq    | 95       |
| 62) Azobenzene                 | 15.63 | 77   | 498401   | 35.01 | nq    | 98       |
| 64) 4,6-Dinitro-2-methylphenol | 15.43 | 198  | 91305    | 37.82 | nq    | 90       |
| 65) n-Nitrosodiphenylamine     | 15.56 | 169  | 500233   | 42.12 | nq    | 99       |
| 66) 4-Bromophenyl-phenylether  | 16.23 | 248  | 119438   | 42.58 | nq    | 91       |
| 67) Hexachlorobenzene          | 16.35 | 284  | 120882   | 41.46 | nq    | 99       |
| 68) Atrazine                   | 16.51 | 200  | 142343   | 43.00 | nq    | 99       |
| 69) Pentachlorophenol          | 16.70 | 266  | 60892    | 34.21 | nq    | 98       |
| 70) Phenanthrene               | 17.08 | 178  | 801986   | 40.59 | nq    | 99       |
| 71) Anthracene                 | 17.17 | 178  | 814532   | 41.60 | nq    | 100      |
| 72) Carbazole                  | 17.44 | 167  | 811467   | 41.29 | nq    | 99       |
| 73) Di-n-butylphthalate        | 18.00 | 149  | 1005512  | 41.81 | nq    | 100      |
| 74) Fluoranthene               | 19.09 | 202  | 846351   | 41.55 | nq    | 96       |
| 76) Benzidine                  | 19.28 | 184  | 413821   | 32.17 | nq    | 98       |
| 77) Pyrene                     | 19.46 | 202  | 869399   | 41.15 | nq    | 100      |
| 79) Butylbenzylphthalate       | 20.36 | 149  | 463480   | 44.66 | nq    | 92       |
| 80) Benzo(a)anthracene         | 21.20 | 228  | 747578   | 41.69 | nq    | 99       |
| 81) 3,3'-Dichlorobenzidine     | 21.14 | 252  | 256125   | 43.44 | nq    | 98       |
| 82) Chrysene                   | 21.25 | 228  | 716860   | 41.41 | nq    | 99       |
| 83) Bis(2-ethylhexyl)phthalate | 21.13 | 149  | 630691   | 44.89 | nq    | 97       |
| 84) Di-n-octyl phthalate       | 22.00 | 149  | 1060773  | 46.34 | nq    | 97       |
| 85) Indeno(1,2,3-cd)pyrene     | 25.70 | 276  | 806586   | 44.85 | nq    | 96       |
| 87) Benzo(b)fluoranthene       | 22.77 | 252  | 709560   | 41.93 | nq    | 98       |
| 88) Benzo(k)fluoranthene       | 22.81 | 252  | 684513   | 41.34 | nq    | 98       |
| 89) Benzo(a)pyrene             | 23.34 | 252  | 673592   | 42.47 | nq    | 97       |
| 90) Dibenzo(a,h)anthracene     | 25.71 | 278  | 663063   | 42.97 | nq    | 96       |
| 91) Benzo(g,h,i)perylene       | 26.39 | 276  | 666925   | 43.27 | nq    | 97       |

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

