

Data Path : Z:\HPCHEM1\BNA G\DATA\BG042117\  
 Data File : BG026690.D  
 Acq On : 21 Apr 2017 17:32  
 Operator : SJ/MA  
 Sample : PB98386BS  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB98386BS

Quant Time: Apr 22 04:19:26 2017  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG041817.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Apr 18 18:04:39 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.03  | 152  | 186830   | 20.00 | ng    | -0.02    |
| 21) Naphthalene-d8        | 10.83 | 136  | 803526   | 20.00 | ng    | -0.02    |
| 38) Acenaphthene-d10      | 14.64 | 164  | 498429   | 20.00 | ng    | -0.02    |
| 63) Phenanthrene-d10      | 17.37 | 188  | 1260771  | 20.00 | ng    | -0.02    |
| 75) Chrysene-d12          | 21.62 | 240  | 1361360  | 20.00 | ng    | -0.02    |
| 86) Perylene-d12          | 24.79 | 264  | 1367667  | 20.00 | ng    | -0.03    |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 5) 2-Fluorophenol           | 5.62  | 112  | 1495749  | 145.54 | ng    | 0.00     |
| 7) Phenol-d6                | 7.22  | 99   | 1947153  | 144.59 | ng    | 0.01     |
| 23) Nitrobenzene-d5         | 9.19  | 82   | 1018078  | 88.41  | ng    | -0.02    |
| 41) 2,4,6-Tribromophenol    | 16.13 | 330  | 955323   | 137.55 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 13.27 | 172  | 2781680  | 83.12  | ng    | -0.02    |
| 78) Terphenyl-d14           | 19.97 | 244  | 3879436  | 84.13  | ng    | -0.02    |

| Target Compounds               | R.T.  | QIon | Response | Conc  | Units | Qvalue |
|--------------------------------|-------|------|----------|-------|-------|--------|
| 2) 1,4-Dioxane                 | 3.48  | 88   | 141262   | 26.29 | ng    | # 68   |
| 3) Pyridine                    | 3.88  | 79   | 404475   | 33.62 | ng    | # 61   |
| 4) n-Nitrosodimethylamine      | 3.80  | 42   | 140327   | 40.10 | ng    | # 1    |
| 6) Aniline                     | 7.36  | 93   | 438176   | 26.06 | ng    | # 85   |
| 8) 2-Chlorophenol              | 7.60  | 128  | 564615   | 46.04 | ng    | # 79   |
| 9) Benzaldehyde                | 7.16  | 77   | 199753   | 21.90 | ng    | # 65   |
| 10) Phenol                     | 7.24  | 94   | 678334   | 46.30 | ng    | # 71   |
| 11) bis(2-Chloroethyl)ether    | 7.44  | 93   | 491801   | 42.17 | ng    | # 80   |
| 12) 1,3-Dichlorobenzene        | 7.92  | 146  | 587454   | 40.65 | ng    | # 84   |
| 13) 1,4-Dichlorobenzene        | 8.07  | 146  | 600012   | 40.87 | ng    | # 94   |
| 14) 1,2-Dichlorobenzene        | 8.38  | 146  | 577899   | 41.66 | ng    | # 89   |
| 15) Benzyl Alcohol             | 8.27  | 79   | 390153   | 46.33 | ng    | # 73   |
| 16) 2,2'-oxybis(1-Chloropropan | 8.56  | 45   | 463968   | 41.11 | ng    | # 78   |
| 17) 2-Methylphenol             | 8.49  | 107  | 473908   | 46.16 | ng    | # 80   |
| 18) Hexachloroethane           | 9.11  | 117  | 185576   | 40.06 | ng    | # 96   |
| 19) n-Nitroso-di-n-propylamine | 8.83  | 70   | 344315   | 41.24 | ng    | # 70   |
| 20) 3+4-Methylphenols          | 8.82  | 107  | 661400   | 46.88 | ng    | # 88   |
| 22) Acetophenone               | 8.85  | 105  | 755967   | 41.17 | ng    | # 72   |
| 24) Nitrobenzene               | 9.23  | 77   | 524246   | 42.99 | ng    | # 71   |
| 25) Isophorone                 | 9.75  | 82   | 977176   | 41.39 | ng    | # 88   |
| 26) 2-Nitrophenol              | 9.94  | 139  | 325769   | 44.09 | ng    | # 63   |
| 27) 2,4-Dimethylphenol         | 10.01 | 122  | 544233   | 45.64 | ng    | # 86   |
| 28) bis(2-Chloroethoxy)methane | 10.23 | 93   | 663816   | 43.02 | ng    | # 96   |
| 29) 2,4-Dichlorophenol         | 10.49 | 162  | 587549   | 47.11 | ng    | # 93   |
| 30) 1,2,4-Trichlorobenzene     | 10.69 | 180  | 581351   | 41.82 | ng    | # 99   |
| 31) Naphthalene                | 10.88 | 128  | 1649179  | 41.82 | ng    | # 98   |
| 32) Benzoic acid               | 10.18 | 122  | 374378   | 45.37 | ng    | # 72   |
| 33) 4-Chloroaniline            | 10.99 | 127  | 171718   | 10.15 | ng    | # 79   |
| 34) Hexachlorobutadiene        | 11.16 | 225  | 334700   | 42.11 | ng    | # 99   |
| 35) Caprolactam                | 11.76 | 113  | 207222m  | 42.79 | ng    | # 74   |
| 36) 4-Chloro-3-methylphenol    | 12.13 | 107  | 584876   | 46.56 | ng    | # 92   |
| 37) 2-Methylnaphthalene        | 12.48 | 142  | 1294819  | 42.66 | ng    | # 97   |
| 39) 1,2,4,5-Tetrachlorobenzene | 12.84 | 216  | 628270   | 40.92 | ng    | # 93   |
| 40) Hexachlorocyclopentadiene  | 12.83 | 237  | 701424   | 90.42 | ng    | # 93   |

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|--------------------------------|-------|------|----------|-------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 13.09 | 196  | 487317   | 44.58 | nq    | 95       |
| 43) 2,4,5-Trichlorophenol      | 13.17 | 196  | 534010   | 46.19 | nq #  | 91       |
| 45) 1,1'-Biphenyl              | 13.48 | 154  | 1661327  | 41.02 | nq    | 98       |
| 46) 2-Chloronaphthalene        | 13.52 | 162  | 1272521  | 41.46 | nq    | 96       |
| 47) 2-Nitroaniline             | 13.73 | 65   | 351547   | 44.84 | nq #  | 51       |
| 48) Acenaphthylene             | 14.37 | 152  | 2075376  | 42.05 | nq    | 99       |
| 49) Dimethylphthalate          | 14.10 | 163  | 1655341  | 41.95 | nq    | 99       |
| 50) 2,6-Dinitrotoluene         | 14.21 | 165  | 412552   | 44.71 | nq #  | 56       |
| 51) Acenaphthene               | 14.70 | 154  | 1314678  | 41.85 | nq    | 99       |
| 52) 3-Nitroaniline             | 14.55 | 138  | 235811   | 23.43 | nq #  | 63       |
| 53) 2,4-Dinitrophenol          | 14.75 | 184  | 471326   | 85.37 | nq #  | 74       |
| 54) Dibenzofuran               | 15.04 | 168  | 2035873  | 41.58 | nq    | 91       |
| 55) 4-Nitrophenol              | 14.88 | 139  | 734868   | 86.50 | nq #  | 38       |
| 56) 2,4-Dinitrotoluene         | 15.00 | 165  | 596837   | 45.55 | nq #  | 68       |
| 57) Fluorene                   | 15.68 | 166  | 1706521  | 42.33 | nq    | 99       |
| 58) 2,3,4,6-Tetrachlorophenol  | 15.27 | 232  | 506439   | 43.07 | nq #  | 96       |
| 59) Diethylphthalate           | 15.45 | 149  | 1679089  | 41.86 | nq    | 97       |
| 60) 4-Chlorophenyl-phenylether | 15.67 | 204  | 865307   | 43.01 | nq    | 88       |
| 61) 4-Nitroaniline             | 15.71 | 138  | 475546   | 44.31 | nq #  | 51       |
| 62) Azobenzene                 | 15.96 | 77   | 1334114  | 43.10 | nq    | 77       |
| 64) 4,6-Dinitro-2-methylphenol | 15.76 | 198  | 384085   | 45.11 | nq    | 85       |
| 65) n-Nitrosodiphenylamine     | 15.89 | 169  | 1563179  | 42.98 | nq    | 98       |
| 66) 4-Bromophenyl-phenylether  | 16.56 | 248  | 590856   | 42.89 | nq    | 92       |
| 67) Hexachlorobenzene          | 16.69 | 284  | 644721   | 42.57 | nq #  | 89       |
| 68) Atrazine                   | 16.83 | 200  | 611108   | 42.97 | nq    | 96       |
| 69) Pentachlorophenol          | 17.03 | 266  | 801822   | 87.63 | nq    | 94       |
| 70) Phenanthrene               | 17.42 | 178  | 2712103  | 41.78 | nq    | 99       |
| 71) Anthracene                 | 17.51 | 178  | 2815496  | 41.97 | nq    | 96       |
| 72) Carbazole                  | 17.78 | 167  | 2634041  | 41.01 | nq    | 97       |
| 73) Di-n-butylphthalate        | 18.32 | 149  | 2930332  | 40.68 | nq #  | 95       |
| 74) Fluoranthene               | 19.42 | 202  | 3080522  | 40.93 | nq    | 95       |
| 76) Benzidine                  | 19.59 | 184  | 1359049  | 37.68 | nq    | 98       |
| 77) Pyrene                     | 19.78 | 202  | 3118838  | 42.55 | nq    | 95       |
| 79) Butylbenzylphthalate       | 20.65 | 149  | 1383451  | 43.87 | nq #  | 84       |
| 80) Benzo(a)anthracene         | 21.60 | 228  | 3128021  | 42.54 | nq    | 98       |
| 81) 3,3'-Dichlorobenzidine     | 21.52 | 252  | 860078   | 28.21 | nq    | 98       |
| 82) Chrysene                   | 21.67 | 228  | 2880080  | 42.57 | nq    | 98       |
| 83) Bis(2-ethylhexyl)phthalate | 21.50 | 149  | 1951853  | 42.95 | nq    | 95       |
| 84) Di-n-octyl phthalate       | 22.68 | 149  | 3286351  | 43.31 | nq #  | 81       |
| 85) Indeno(1,2,3-cd)pyrene     | 28.41 | 276  | 4087549  | 44.07 | nq #  | 88       |
| 87) Benzo(b)fluoranthene       | 23.78 | 252  | 3353561  | 42.83 | nq #  | 95       |
| 88) Benzo(k)fluoranthene       | 23.85 | 252  | 3244040  | 42.98 | nq #  | 96       |
| 89) Benzo(a)pyrene             | 24.65 | 252  | 3261907  | 43.15 | nq #  | 96       |
| 90) Dibenzo(a,h)anthracene     | 28.47 | 278  | 3446745  | 44.39 | nq #  | 93       |
| 91) Benzo(g,h,i)perylene       | 29.55 | 276  | 3404579  | 43.84 | nq #  | 90       |

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

