

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG052015\  
 Data File : BG017217.D  
 Acq On : 20 May 2015 16:36  
 Operator : TP/IZ  
 Sample : PB83496BS  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB83496BS

Quant Time: May 21 02:45:13 2015  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG051315.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu May 21 02:15:39 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.69  | 152  | 37371    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 10.49 | 136  | 161587   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 14.35 | 164  | 103828   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 17.10 | 188  | 259245   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 21.29 | 240  | 298668   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 23.55 | 264  | 288960   | 20.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |         |        |    |      |
|--------------------------|-------|-----|---------|--------|----|------|
| 5) 2-Fluorophenol        | 5.29  | 112 | 264372  | 125.51 | ng | 0.00 |
| 7) Phenol-d6             | 6.89  | 99  | 352313  | 119.19 | ng | 0.00 |
| 23) Nitrobenzene-d5      | 8.85  | 82  | 236257  | 68.26  | ng | 0.00 |
| 41) 2,4,6-Tribromophenol | 15.85 | 330 | 164638  | 131.17 | ng | 0.00 |
| 44) 2-Fluorobiphenyl     | 12.97 | 172 | 506008  | 71.51  | ng | 0.00 |
| 78) Terphenyl-d14        | 19.74 | 244 | 1005895 | 70.18  | ng | 0.00 |

## Target Compounds

|                                |       |     |        |       |    | Qvalue |
|--------------------------------|-------|-----|--------|-------|----|--------|
| 2) 1,4-Dioxane                 | 3.16  | 88  | 24023  | 28.91 | ng | 97     |
| 3) Pyridine                    | 3.55  | 79  | 79947  | 31.80 | ng | 91     |
| 4) n-Nitrosodimethylamine      | 3.47  | 42  | 61434  | 32.19 | ng | 97     |
| 6) Aniline                     | 7.02  | 93  | 110379 | 26.99 | ng | 98     |
| 8) 2-Chlorophenol              | 7.27  | 128 | 93870  | 37.25 | ng | 98     |
| 9) Benzaldehyde                | 6.83  | 77  | 18631  | 7.65  | ng | 100    |
| 10) Phenol                     | 6.92  | 94  | 120342 | 38.39 | ng | 96     |
| 11) bis(2-Chloroethyl)ether    | 7.12  | 93  | 82872  | 35.26 | ng | 94     |
| 12) 1,3-Dichlorobenzene        | 7.58  | 146 | 93679  | 33.29 | ng | 97     |
| 13) 1,4-Dichlorobenzene        | 7.73  | 146 | 97382  | 34.28 | ng | 93     |
| 14) 1,2-Dichlorobenzene        | 8.04  | 146 | 94003  | 34.65 | ng | 93     |
| 15) Benzyl Alcohol             | 7.94  | 79  | 94311  | 32.84 | ng | 96     |
| 16) 2,2'-oxybis(1-Chloropropan | 8.23  | 45  | 137865 | 36.18 | ng | 98     |
| 17) 2-Methylphenol             | 8.16  | 107 | 81674  | 35.93 | ng | 98     |
| 18) Hexachloroethane           | 8.77  | 117 | 39709  | 33.47 | ng | 90     |
| 19) n-Nitroso-di-n-propylamine | 8.50  | 70  | 82634  | 32.09 | ng | 96     |
| 20) 3+4-Methylphenols          | 8.49  | 107 | 115011 | 36.41 | ng | 99     |
| 22) Acetophenone               | 8.51  | 105 | 140729 | 35.88 | ng | 94     |
| 24) Nitrobenzene               | 8.90  | 77  | 117798 | 34.79 | ng | 97     |
| 25) Isophorone                 | 9.41  | 82  | 211321 | 33.13 | ng | 98     |
| 26) 2-Nitrophenol              | 9.61  | 139 | 54547  | 36.03 | ng | # 88   |
| 27) 2,4-Dimethylphenol         | 9.68  | 122 | 96803  | 38.85 | ng | 96     |
| 28) bis(2-Chloroethoxy)methane | 9.91  | 93  | 109919 | 35.39 | ng | 95     |
| 29) 2,4-Dichlorophenol         | 10.15 | 162 | 92724  | 39.45 | ng | 97     |
| 30) 1,2,4-Trichlorobenzene     | 10.35 | 180 | 93246  | 34.97 | ng | 94     |
| 31) Naphthalene                | 10.53 | 128 | 276672 | 34.99 | ng | 98     |
| 32) Benzoic acid               | 9.82  | 122 | 57148  | 33.85 | ng | 91     |
| 33) 4-Chloroaniline            | 10.65 | 127 | 81948  | 21.91 | ng | 97     |
| 34) Hexachlorobutadiene        | 10.82 | 225 | 58848  | 34.86 | ng | 99     |
| 35) Caprolactam                | 11.43 | 113 | 46569m | 39.41 | ng |        |
| 36) 4-Chloro-3-methylphenol    | 11.81 | 107 | 117240 | 39.48 | ng | 100    |
| 37) 2-Methylnaphthalene        | 12.16 | 142 | 216031 | 34.45 | ng | 98     |
| 39) 1,2,4,5-Tetrachlorobenzene | 12.53 | 216 | 105222 | 35.82 | ng | 99     |
| 40) Hexachlorocyclopentadiene  | 12.51 | 237 | 137602 | 76.79 | ng | 98     |

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|--------------------------------|-------|------|----------|-------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 12.79 | 196  | 78869    | 37.85 | ng    | 92       |
| 43) 2,4,5-Trichlorophenol      | 12.87 | 196  | 88629    | 41.28 | ng    | 92       |
| 45) 1,1'-Biphenyl              | 13.18 | 154  | 272324   | 36.42 | ng    | 99       |
| 46) 2-Chloronaphthalene        | 13.22 | 162  | 219864   | 37.13 | ng    | 95       |
| 47) 2-Nitroaniline             | 13.44 | 65   | 95004    | 41.24 | ng    | 96       |
| 48) Acenaphthylene             | 14.07 | 152  | 378044   | 37.28 | ng    | 99       |
| 49) Dimethylphthalate          | 13.81 | 163  | 306904   | 37.80 | ng    | 99       |
| 50) 2,6-Dinitrotoluene         | 13.94 | 165  | 74748    | 41.55 | ng    | 95       |
| 51) Acenaphthene               | 14.42 | 154  | 225366   | 37.62 | ng    | 96       |
| 52) 3-Nitroaniline             | 14.27 | 138  | 62334    | 31.23 | ng    | 96       |
| 53) 2,4-Dinitrophenol          | 14.47 | 184  | 87397    | 83.67 | ng    | 95       |
| 54) Dibenzofuran               | 14.75 | 168  | 345876   | 38.84 | ng    | 99       |
| 55) 4-Nitrophenol              | 14.62 | 139  | 137689   | 85.67 | ng    | 98       |
| 56) 2,4-Dinitrotoluene         | 14.72 | 165  | 104587   | 41.68 | ng    | 97       |
| 57) Fluorene                   | 15.41 | 166  | 317651   | 40.30 | ng    | 99       |
| 58) 2,3,4,6-Tetrachlorophenol  | 14.99 | 232  | 86275    | 43.79 | ng    | 99       |
| 59) Diethylphthalate           | 15.18 | 149  | 337047   | 38.65 | ng    | 99       |
| 60) 4-Chlorophenyl-phenylether | 15.40 | 204  | 159550   | 39.41 | ng    | 95       |
| 61) 4-Nitroaniline             | 15.44 | 138  | 91513    | 41.09 | ng    | 98       |
| 62) Azobenzene                 | 15.69 | 77   | 345542   | 41.48 | ng    | 96       |
| 64) 4,6-Dinitro-2-methylphenol | 15.49 | 198  | 63097    | 35.51 | ng    | 99       |
| 65) n-Nitrosodiphenylamine     | 15.62 | 169  | 280271   | 35.22 | ng    | 97       |
| 66) 4-Bromophenyl-phenylether  | 16.29 | 248  | 98968    | 35.00 | ng    | 99       |
| 67) Hexachlorobenzene          | 16.40 | 284  | 106219   | 35.60 | ng    | 99       |
| 68) Atrazine                   | 16.57 | 200  | 114835   | 39.44 | ng    | 98       |
| 69) Pentachlorophenol          | 16.76 | 266  | 131653   | 70.68 | ng    | 93       |
| 70) Phenanthrene               | 17.14 | 178  | 511418   | 38.26 | ng    | 99       |
| 71) Anthracene                 | 17.23 | 178  | 513555   | 37.90 | ng    | 97       |
| 72) Carbazole                  | 17.51 | 167  | 504653   | 40.54 | ng    | 98       |
| 73) Di-n-butylphthalate        | 18.07 | 149  | 652677   | 39.18 | ng    | 99       |
| 74) Fluoranthene               | 19.17 | 202  | 636483   | 39.65 | ng    | 99       |
| 76) Benzidine                  | 19.35 | 184  | 296009   | 30.36 | ng    | 97       |
| 77) Pyrene                     | 19.53 | 202  | 661348   | 36.09 | ng    | 99       |
| 79) Butylbenzylphthalate       | 20.43 | 149  | 309364   | 37.13 | ng    | 98       |
| 80) Benzo(a)anthracene         | 21.27 | 228  | 632996   | 36.98 | ng    | 98       |
| 81) 3,3'-Dichlorobenzidine     | 21.21 | 252  | 188343   | 28.44 | ng    | 98       |
| 82) Chrysene                   | 21.32 | 228  | 599915   | 37.63 | ng    | 99       |
| 83) Bis(2-ethylhexyl)phthalate | 21.20 | 149  | 435442   | 36.77 | ng    | 99       |
| 84) Di-n-octyl phthalate       | 22.09 | 149  | 739397   | 37.51 | ng    | 99       |
| 85) Indeno(1,2,3-cd)pyrene     | 25.86 | 276  | 710327   | 37.23 | ng    | 98       |
| 87) Benzo(b)fluoranthene       | 22.87 | 252  | 652980   | 38.77 | ng    | 98       |
| 88) Benzo(k)fluoranthene       | 22.91 | 252  | 602160   | 37.65 | ng    | 99       |
| 89) Benzo(a)pyrene             | 23.45 | 252  | 618170   | 39.96 | ng    | 98       |
| 90) Dibenzo(a,h)anthracene     | 25.88 | 278  | 611152   | 38.49 | ng    | 98       |
| 91) Benzo(g,h,i)perylene       | 26.58 | 276  | 587823   | 39.33 | ng    | 99       |

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

