

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG052215\  
 Data File : BG017254.D  
 Acq On : 22 May 2015 20:06  
 Operator : TP/IZ  
 Sample : PB83561BS  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB83561BS

Quant Time: May 23 01:54:48 2015  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG051315.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat May 23 00:52:32 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.68  | 152  | 32380    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 10.47 | 136  | 128379   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 14.33 | 164  | 79556    | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 17.08 | 188  | 172943   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 21.27 | 240  | 202618   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 23.52 | 264  | 197876   | 20.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |        |        |    |      |
|--------------------------|-------|-----|--------|--------|----|------|
| 5) 2-Fluorophenol        | 5.28  | 112 | 243579 | 133.47 | ng | 0.00 |
| 7) Phenol-d6             | 6.89  | 99  | 318528 | 124.37 | ng | 0.00 |
| 23) Nitrobenzene-d5      | 8.85  | 82  | 210933 | 76.71  | ng | 0.00 |
| 41) 2,4,6-Tribromophenol | 15.83 | 330 | 118377 | 123.09 | ng | 0.00 |
| 44) 2-Fluorobiphenyl     | 12.95 | 172 | 427923 | 78.93  | ng | 0.00 |
| 78) Terphenyl-d14        | 19.72 | 244 | 739519 | 76.06  | ng | 0.00 |

## Target Compounds

|                                |       |     |        |       |    | Qvalue |
|--------------------------------|-------|-----|--------|-------|----|--------|
| 2) 1,4-Dioxane                 | 3.15  | 88  | 25182  | 34.97 | ng | 96     |
| 3) Pyridine                    | 3.55  | 79  | 79718  | 36.59 | ng | 91     |
| 4) n-Nitrosodimethylamine      | 3.47  | 42  | 56281  | 34.04 | ng | # 99   |
| 6) Aniline                     | 7.01  | 93  | 87510  | 24.70 | ng | 94     |
| 8) 2-Chlorophenol              | 7.26  | 128 | 86108  | 39.44 | ng | 95     |
| 9) Benzaldehyde                | 6.82  | 77  | 15595  | 7.37  | ng | 90     |
| 10) Phenol                     | 6.91  | 94  | 107447 | 39.56 | ng | 96     |
| 11) bis(2-Chloroethyl)ether    | 7.11  | 93  | 80122  | 39.34 | ng | 96     |
| 12) 1,3-Dichlorobenzene        | 7.57  | 146 | 89662  | 36.77 | ng | 98     |
| 13) 1,4-Dichlorobenzene        | 7.72  | 146 | 90065  | 36.59 | ng | 99     |
| 14) 1,2-Dichlorobenzene        | 8.03  | 146 | 85647  | 36.43 | ng | 94     |
| 15) Benzyl Alcohol             | 7.93  | 79  | 85580  | 34.39 | ng | 99     |
| 16) 2,2'-oxybis(1-Chloropropan | 8.22  | 45  | 136886 | 41.46 | ng | 99     |
| 17) 2-Methylphenol             | 8.15  | 107 | 74882  | 38.02 | ng | 91     |
| 18) Hexachloroethane           | 8.75  | 117 | 38492  | 37.44 | ng | 92     |
| 19) n-Nitroso-di-n-propylamine | 8.49  | 70  | 76080  | 34.09 | ng | 94     |
| 20) 3+4-Methylphenols          | 8.48  | 107 | 99307  | 36.28 | ng | 96     |
| 22) Acetophenone               | 8.50  | 105 | 123732 | 39.71 | ng | # 95   |
| 24) Nitrobenzene               | 8.89  | 77  | 107480 | 39.95 | ng | 96     |
| 25) Isophorone                 | 9.40  | 82  | 189434 | 37.38 | ng | 97     |
| 26) 2-Nitrophenol              | 9.59  | 139 | 48446  | 40.28 | ng | 94     |
| 27) 2,4-Dimethylphenol         | 9.67  | 122 | 82904  | 41.88 | ng | 99     |
| 28) bis(2-Chloroethoxy)methane | 9.89  | 93  | 102429 | 41.51 | ng | 95     |
| 29) 2,4-Dichlorophenol         | 10.14 | 162 | 81217  | 43.49 | ng | 92     |
| 30) 1,2,4-Trichlorobenzene     | 10.34 | 180 | 85001  | 40.12 | ng | 97     |
| 31) Naphthalene                | 10.53 | 128 | 254067 | 40.44 | ng | 98     |
| 32) Benzoic acid               | 9.82  | 122 | 42281  | 31.52 | ng | 87     |
| 33) 4-Chloroaniline            | 10.64 | 127 | 56939  | 19.16 | ng | 96     |
| 34) Hexachlorobutadiene        | 10.81 | 225 | 52537  | 39.17 | ng | 95     |
| 35) Caprolactam                | 11.41 | 113 | 34732m | 36.99 | ng |        |
| 36) 4-Chloro-3-methylphenol    | 11.80 | 107 | 96562  | 40.93 | ng | 98     |
| 37) 2-Methylnaphthalene        | 12.14 | 142 | 189736 | 38.08 | ng | 98     |
| 39) 1,2,4,5-Tetrachlorobenzene | 12.52 | 216 | 91000  | 40.43 | ng | 97     |
| 40) Hexachlorocyclopentadiene  | 12.49 | 237 | 125705 | 91.56 | ng | 96     |

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|--------------------------------|-------|------|----------|-------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 12.76 | 196  | 63435    | 39.73 | ng    | 100      |
| 43) 2,4,5-Trichlorophenol      | 12.85 | 196  | 69169    | 42.05 | ng    | 98       |
| 45) 1,1'-Biphenyl              | 13.16 | 154  | 243215   | 42.45 | ng    | 98       |
| 46) 2-Chloronaphthalene        | 13.21 | 162  | 182718   | 40.27 | ng    | 99       |
| 47) 2-Nitroaniline             | 13.42 | 65   | 71450    | 40.48 | ng    | 92       |
| 48) Acenaphthylene             | 14.06 | 152  | 310512   | 39.96 | ng    | 98       |
| 49) Dimethylphthalate          | 13.80 | 163  | 243778   | 39.19 | ng    | 99       |
| 50) 2,6-Dinitrotoluene         | 13.92 | 165  | 55040    | 39.93 | ng    | 99       |
| 51) Acenaphthene               | 14.40 | 154  | 183207   | 39.92 | ng    | 97       |
| 52) 3-Nitroaniline             | 14.25 | 138  | 38847    | 25.40 | ng    | 99       |
| 53) 2,4-Dinitrophenol          | 14.46 | 184  | 67208    | 83.97 | ng    | 93       |
| 54) Dibenzofuran               | 14.73 | 168  | 276342   | 40.50 | ng    | 97       |
| 55) 4-Nitrophenol              | 14.60 | 139  | 103197   | 83.80 | ng    | 92       |
| 56) 2,4-Dinitrotoluene         | 14.71 | 165  | 79806    | 41.51 | ng    | 94       |
| 57) Fluorene                   | 15.39 | 166  | 243590   | 40.33 | ng    | 99       |
| 58) 2,3,4,6-Tetrachlorophenol  | 14.97 | 232  | 63257    | 41.90 | ng    | 99       |
| 59) Diethylphthalate           | 15.16 | 149  | 258457   | 38.68 | ng    | 98       |
| 60) 4-Chlorophenyl-phenylether | 15.38 | 204  | 124493   | 40.13 | ng    | 97       |
| 61) 4-Nitroaniline             | 15.41 | 138  | 66197    | 38.80 | ng    | 93       |
| 62) Azobenzene                 | 15.67 | 77   | 275755   | 43.20 | ng    | 94       |
| 64) 4,6-Dinitro-2-methylphenol | 15.47 | 198  | 46363    | 39.11 | ng    | 98       |
| 65) n-Nitrosodiphenylamine     | 15.60 | 169  | 213427   | 40.20 | ng    | 98       |
| 66) 4-Bromophenyl-phenylether  | 16.28 | 248  | 76490    | 40.55 | ng    | 95       |
| 67) Hexachlorobenzene          | 16.39 | 284  | 79619    | 40.00 | ng    | 97       |
| 68) Atrazine                   | 16.55 | 200  | 82996    | 42.73 | ng    | 97       |
| 69) Pentachlorophenol          | 16.74 | 266  | 99777    | 80.30 | ng    | 95       |
| 70) Phenanthrene               | 17.12 | 178  | 369135   | 41.39 | ng    | 99       |
| 71) Anthracene                 | 17.21 | 178  | 377618   | 41.78 | ng    | 98       |
| 72) Carbazole                  | 17.49 | 167  | 367131   | 44.21 | ng    | 97       |
| 73) Di-n-butylphthalate        | 18.05 | 149  | 472787   | 42.55 | ng    | 98       |
| 74) Fluoranthene               | 19.14 | 202  | 465667   | 43.48 | ng    | 96       |
| 76) Benzidine                  | 19.33 | 184  | 250233   | 37.83 | ng    | 97       |
| 77) Pyrene                     | 19.50 | 202  | 487415   | 39.21 | ng    | 98       |
| 79) Butylbenzylphthalate       | 20.41 | 149  | 234547   | 41.50 | ng    | 97       |
| 80) Benzo(a)anthracene         | 21.25 | 228  | 470355   | 40.51 | ng    | 99       |
| 81) 3,3'-Dichlorobenzidine     | 21.19 | 252  | 113782   | 25.32 | ng    | 92       |
| 82) Chrysene                   | 21.30 | 228  | 441536   | 40.83 | ng    | 99       |
| 83) Bis(2-ethylhexyl)phthalate | 21.18 | 149  | 328517   | 40.90 | ng    | 100      |
| 84) Di-n-octyl phthalate       | 22.06 | 149  | 567268   | 42.41 | ng    | 99       |
| 85) Indeno(1,2,3-cd)pyrene     | 25.81 | 276  | 528587   | 40.84 | ng    | 97       |
| 87) Benzo(b)fluoranthene       | 22.84 | 252  | 473766   | 41.07 | ng    | # 97     |
| 88) Benzo(k)fluoranthene       | 22.88 | 252  | 472937   | 43.19 | ng    | 98       |
| 89) Benzo(a)pyrene             | 23.42 | 252  | 455441   | 43.00 | ng    | # 97     |
| 90) Dibenzo(a,h)anthracene     | 25.83 | 278  | 438519   | 40.33 | ng    | 97       |
| 91) Benzo(g,h,i)perylene       | 26.52 | 276  | 425758   | 41.60 | ng    | # 94     |

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

