

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG021116\  
 Data File : BG020851.D  
 Acq On : 11 Feb 2016 11:31  
 Operator : SJ/UM  
 Sample : SSTDICC010  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSTDICC010

Quant Time: Feb 11 13:38:20 2016  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG021116.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Feb 11 13:22:27 2016  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.27  | 152  | 19919    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 11.10 | 136  | 98073    | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 14.88 | 164  | 59199    | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 17.62 | 188  | 124201   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 21.90 | 240  | 117829   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 25.28 | 264  | 109214   | 20.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |       |       |    |      |
|--------------------------|-------|-----|-------|-------|----|------|
| 5) 2-Fluorophenol        | 5.80  | 112 | 23453 | 21.29 | ng | 0.00 |
| 7) Phenol-d6             | 7.40  | 99  | 33516 | 20.27 | ng | 0.00 |
| 23) Nitrobenzene-d5      | 9.44  | 82  | 29753 | 15.50 | ng | 0.00 |
| 41) 2,4,6-Tribromophenol | 16.36 | 330 | 11580 | 12.93 | ng | 0.00 |
| 44) 2-Fluorobiphenyl     | 13.51 | 172 | 82874 | 19.11 | ng | 0.00 |
| 78) Terphenyl-d14        | 20.20 | 244 | 98994 | 20.55 | ng | 0.00 |

## Target Compounds

|                                |       |     |       |       |    | Qvalue |
|--------------------------------|-------|-----|-------|-------|----|--------|
| 2) 1,4-Dioxane                 | 3.64  | 88  | 4656  | 10.73 | ng | # 93   |
| 3) Pyridine                    | 4.05  | 79  | 12537 | 9.53  | ng | 97     |
| 4) n-Nitrosodimethylamine      | 3.97  | 42  | 3290  | 4.98  | ng | # 98   |
| 6) Aniline                     | 7.58  | 93  | 20718 | 9.60  | ng | 97     |
| 8) 2-Chlorophenol              | 7.83  | 128 | 14626 | 10.89 | ng | 98     |
| 9) Benzaldehyde                | 7.40  | 77  | 9842  | 9.05  | ng | 99     |
| 10) Phenol                     | 7.43  | 94  | 17932 | 10.28 | ng | 98     |
| 11) bis(2-Chloroethyl)ether    | 7.67  | 93  | 14521 | 11.14 | ng | 98     |
| 12) 1,3-Dichlorobenzene        | 8.15  | 146 | 15635 | 10.25 | ng | 97     |
| 13) 1,4-Dichlorobenzene        | 8.30  | 146 | 15952 | 10.14 | ng | 99     |
| 14) 1,2-Dichlorobenzene        | 8.63  | 146 | 15453 | 10.29 | ng | 97     |
| 15) Benzyl Alcohol             | 8.50  | 79  | 10385 | 7.16  | ng | 97     |
| 16) 2,2'-oxybis(1-Chloropropan | 8.79  | 45  | 15297 | 7.40  | ng | 96     |
| 17) 2-Methylphenol             | 8.70  | 107 | 12646 | 10.26 | ng | 99     |
| 18) Hexachloroethane           | 9.36  | 117 | 5523  | 9.48  | ng | 86     |
| 19) n-Nitroso-di-n-propylamine | 9.07  | 70  | 10761 | 8.31  | ng | # 96   |
| 20) 3+4-Methylphenols          | 9.02  | 107 | 17578 | 10.19 | ng | 96     |
| 22) Acetophenone               | 9.09  | 105 | 23774 | 8.86  | ng | # 98   |
| 24) Nitrobenzene               | 9.48  | 77  | 15816 | 7.66  | ng | 97     |
| 25) Isophorone                 | 10.01 | 82  | 31598 | 7.75  | ng | 99     |
| 26) 2-Nitrophenol              | 10.20 | 139 | 7697  | 9.39  | ng | 99     |
| 27) 2,4-Dimethylphenol         | 10.25 | 122 | 15127 | 9.09  | ng | 94     |
| 28) bis(2-Chloroethoxy)methane | 10.48 | 93  | 19602 | 9.65  | ng | 96     |
| 29) 2,4-Dichlorophenol         | 10.73 | 162 | 14093 | 8.22  | ng | 99     |
| 30) 1,2,4-Trichlorobenzene     | 10.95 | 180 | 14324 | 7.39  | ng | 97     |
| 31) Naphthalene                | 11.15 | 128 | 51824 | 9.88  | ng | 99     |
| 32) Benzoic acid               | 10.31 | 122 | 10640 | 11.61 | ng | 95     |
| 33) 4-Chloroaniline            | 11.24 | 127 | 21830 | 9.44  | ng | 99     |
| 34) Hexachlorobutadiene        | 11.43 | 225 | 7386  | 5.17  | ng | 97     |
| 35) Caprolactam                | 11.99 | 113 | 5617  | 8.87  | ng | 97     |
| 36) 4-Chloro-3-methylphenol    | 12.34 | 107 | 16324 | 7.76  | ng | 97     |
| 37) 2-Methylnaphthalene        | 12.73 | 142 | 35445 | 9.17  | ng | 99     |
| 39) 1,2,4,5-Tetrachlorobenzene | 13.09 | 216 | 16959 | 7.50  | ng | 99     |
| 40) Hexachlorocyclopentadiene  | 13.07 | 237 | 6345  | 5.32  | ng | 97     |

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|--------------------------------|-------|------|----------|-------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 13.32 | 196  | 11540    | 7.84  | ng    | 93       |
| 43) 2,4,5-Trichlorophenol      | 13.39 | 196  | 11885    | 7.56  | ng    | 99       |
| 45) 1,1'-Biphenyl              | 13.72 | 154  | 51712    | 10.70 | ng    | 97       |
| 46) 2-Chloronaphthalene        | 13.76 | 162  | 37065    | 9.91  | ng    | 98       |
| 47) 2-Nitroaniline             | 13.96 | 65   | 8700     | 7.45  | ng    | 92       |
| 48) Acenaphthylene             | 14.61 | 152  | 65094    | 10.28 | ng    | 99       |
| 49) Dimethylphthalate          | 14.32 | 163  | 46401    | 8.77  | ng    | 99       |
| 50) 2,6-Dinitrotoluene         | 14.45 | 165  | 9789     | 9.70  | ng    | 95       |
| 51) Acenaphthene               | 14.95 | 154  | 39008    | 10.23 | ng    | 98       |
| 52) 3-Nitroaniline             | 14.78 | 138  | 11616    | 11.08 | ng    | # 96     |
| 53) 2,4-Dinitrophenol          | 14.98 | 184  | 2146     | 5.06  | ng    | 92       |
| 54) Dibenzofuran               | 15.27 | 168  | 53000    | 9.11  | ng    | 98       |
| 55) 4-Nitrophenol              | 15.06 | 139  | 8076     | 9.18  | ng    | 91       |
| 56) 2,4-Dinitrotoluene         | 15.23 | 165  | 12342    | 8.74  | ng    | # 93     |
| 57) Fluorene                   | 15.92 | 166  | 48684    | 9.51  | ng    | 96       |
| 58) 2,3,4,6-Tetrachlorophenol  | 15.49 | 232  | 9028     | 6.23  | ng    | # 97     |
| 59) Diethylphthalate           | 15.67 | 149  | 47582    | 8.37  | ng    | 100      |
| 60) 4-Chlorophenyl-phenylether | 15.91 | 204  | 21161    | 7.21  | ng    | 94       |
| 61) 4-Nitroaniline             | 15.93 | 138  | 11623    | 9.97  | ng    | 99       |
| 62) Azobenzene                 | 16.20 | 77   | 38426    | 8.09  | ng    | 99       |
| 64) 4,6-Dinitro-2-methylphenol | 15.99 | 198  | 4072     | 6.20  | ng    | 97       |
| 65) n-Nitrosodiphenylamine     | 16.12 | 169  | 38927    | 10.82 | ng    | 99       |
| 66) 4-Bromophenyl-phenylether  | 16.80 | 248  | 12763    | 8.27  | ng    | 99       |
| 67) Hexachlorobenzene          | 16.93 | 284  | 13507    | 8.36  | ng    | 98       |
| 68) Atrazine                   | 17.05 | 200  | 12369    | 7.99  | ng    | 98       |
| 69) Pentachlorophenol          | 17.26 | 266  | 6370     | 7.14  | ng    | 93       |
| 70) Phenanthrene               | 17.66 | 178  | 69617    | 9.93  | ng    | 99       |
| 71) Anthracene                 | 17.75 | 178  | 70946    | 9.93  | ng    | 97       |
| 72) Carbazole                  | 18.02 | 167  | 63842    | 10.15 | ng    | 98       |
| 73) Di-n-butylphthalate        | 18.56 | 149  | 81270    | 10.62 | ng    | 99       |
| 74) Fluoranthene               | 19.65 | 202  | 75160    | 8.40  | ng    | 99       |
| 76) Benzidine                  | 19.82 | 184  | 39469    | 10.62 | ng    | 98       |
| 77) Pyrene                     | 20.01 | 202  | 76861    | 11.08 | ng    | 100      |
| 79) Butylbenzylphthalate       | 20.88 | 149  | 35341    | 13.15 | ng    | 95       |
| 80) Benzo(a)anthracene         | 21.88 | 228  | 69779    | 9.69  | ng    | 97       |
| 81) 3,3'-Dichlorobenzidine     | 21.79 | 252  | 25161    | 9.24  | ng    | 94       |
| 82) Chrysene                   | 21.95 | 228  | 66191    | 9.75  | ng    | 98       |
| 83) Bis(2-ethylhexyl)phthalate | 21.77 | 149  | 53161    | 13.49 | ng    | 97       |
| 84) Di-n-octyl phthalate       | 23.04 | 149  | 88687    | 13.75 | ng    | 99       |
| 85) Indeno(1,2,3-cd)pyrene     | 29.16 | 276  | 73666    | 9.68  | ng    | # 87     |
| 87) Benzo(b)fluoranthene       | 24.20 | 252  | 64861    | 9.37  | ng    | 99       |
| 88) Benzo(k)fluoranthene       | 24.27 | 252  | 64856    | 9.48  | ng    | 99       |
| 89) Benzo(a)pyrene             | 25.12 | 252  | 61568    | 9.35  | ng    | 96       |
| 90) Dibenzo(a,h)anthracene     | 29.23 | 278  | 61217    | 9.38  | ng    | 100      |
| 91) Benzo(g,h,i)perylene       | 30.38 | 276  | 60299    | 9.43  | ng    | 99       |

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

