

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG072115\  
 Data File : BG018033.D  
 Acq On : 21 Jul 2015 21:46  
 Operator : TP/UM  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSTDCCC040EC

Quant Time: Jul 22 04:05:13 2015  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG071715.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jul 22 03:55:20 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.55  | 152  | 63542    | 20.00 | ng    | -0.02    |
| 21) Naphthalene-d8        | 10.33 | 136  | 326187   | 20.00 | ng    | -0.02    |
| 38) Acenaphthene-d10      | 14.21 | 164  | 232629   | 20.00 | ng    | -0.02    |
| 63) Phenanthrene-d10      | 16.97 | 188  | 523511   | 20.00 | ng    | -0.02    |
| 75) Chrysene-d12          | 21.17 | 240  | 582006   | 20.00 | ng    | -0.02    |
| 86) Perylene-d12          | 23.38 | 264  | 582258   | 20.00 | ng    | -0.02    |

## System Monitoring Compounds

|                          |       |     |         |        |    |       |
|--------------------------|-------|-----|---------|--------|----|-------|
| 5) 2-Fluorophenol        | 5.15  | 112 | 264868  | 72.72  | ng | -0.02 |
| 7) Phenol-d6             | 6.74  | 99  | 379876  | 79.60  | ng | -0.02 |
| 23) Nitrobenzene-d5      | 8.71  | 82  | 367219  | 72.92  | ng | -0.02 |
| 41) 2,4,6-Tribromophenol | 15.72 | 330 | 242379  | 102.84 | ng | -0.02 |
| 44) 2-Fluorobiphenyl     | 12.83 | 172 | 1009185 | 75.18  | ng | -0.02 |
| 78) Terphenyl-d14        | 19.62 | 244 | 1688434 | 73.08  | ng | -0.02 |

## Target Compounds

|                                |       |     |        |       |    | Qvalue |
|--------------------------------|-------|-----|--------|-------|----|--------|
| 2) 1,4-Dioxane                 | 3.10  | 88  | 41964  | 26.21 | ng | # 89   |
| 3) Pyridine                    | 3.48  | 79  | 143121 | 33.45 | ng | # 87   |
| 4) n-Nitrosodimethylamine      | 3.40  | 42  | 47821  | 29.44 | ng | # 62   |
| 6) Aniline                     | 6.89  | 93  | 255078 | 40.09 | ng | 91     |
| 8) 2-Chlorophenol              | 7.12  | 128 | 173905 | 40.50 | ng | 92     |
| 9) Benzaldehyde                | 6.70  | 77  | 108989 | 37.28 | ng | 91     |
| 10) Phenol                     | 6.76  | 94  | 198933 | 39.06 | ng | 91     |
| 11) bis(2-Chloroethyl)ether    | 6.99  | 93  | 148902 | 37.37 | ng | 92     |
| 12) 1,3-Dichlorobenzene        | 7.44  | 146 | 179641 | 38.10 | ng | 95     |
| 13) 1,4-Dichlorobenzene        | 7.58  | 146 | 184422 | 38.15 | ng | 96     |
| 14) 1,2-Dichlorobenzene        | 7.90  | 146 | 179843 | 38.94 | ng | 98     |
| 15) Benzyl Alcohol             | 7.80  | 79  | 152344 | 43.16 | ng | 92     |
| 16) 2,2'-oxybis(1-Chloropropan | 8.09  | 45  | 154263 | 32.14 | ng | 93     |
| 17) 2-Methylphenol             | 8.00  | 107 | 151268 | 42.60 | ng | 93     |
| 18) Hexachloroethane           | 8.62  | 117 | 65203  | 35.72 | ng | 93     |
| 19) n-Nitroso-di-n-propylamine | 8.36  | 70  | 142978 | 41.03 | ng | # 82   |
| 20) 3+4-Methylphenols          | 8.33  | 107 | 214329 | 44.59 | ng | 97     |
| 22) Acetophenone               | 8.37  | 105 | 263788 | 37.44 | ng | # 91   |
| 24) Nitrobenzene               | 8.75  | 77  | 192458 | 35.87 | ng | # 84   |
| 25) Isophorone                 | 9.27  | 82  | 432780 | 40.97 | ng | 94     |
| 26) 2-Nitrophenol              | 9.45  | 139 | 126019 | 49.22 | ng | # 84   |
| 27) 2,4-Dimethylphenol         | 9.52  | 122 | 193478 | 41.54 | ng | 95     |
| 28) bis(2-Chloroethoxy)methane | 9.76  | 93  | 221444 | 37.62 | ng | 98     |
| 29) 2,4-Dichlorophenol         | 9.99  | 162 | 189350 | 45.64 | ng | 96     |
| 30) 1,2,4-Trichlorobenzene     | 10.20 | 180 | 193997 | 39.35 | ng | 99     |
| 31) Naphthalene                | 10.38 | 128 | 611720 | 38.32 | ng | 99     |
| 32) Benzoic acid               | 9.65  | 122 | 76499m | 44.28 | ng |        |
| 33) 4-Chloroaniline            | 10.50 | 127 | 304920 | 42.85 | ng | # 93   |
| 34) Hexachlorobutadiene        | 10.67 | 225 | 110156 | 39.66 | ng | 95     |
| 35) Caprolactam                | 11.29 | 113 | 114023 | 54.08 | ng | # 76   |
| 36) 4-Chloro-3-methylphenol    | 11.64 | 107 | 217729 | 46.23 | ng | 90     |
| 37) 2-Methylnaphthalene        | 12.01 | 142 | 478740 | 41.78 | ng | 97     |
| 39) 1,2,4,5-Tetrachlorobenzene | 12.38 | 216 | 233512 | 37.45 | ng | # 96   |
| 40) Hexachlorocyclopentadiene  | 12.36 | 237 | 129330 | 38.03 | ng | 96     |

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|--------------------------------|-------|------|----------|-------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 12.63 | 196  | 179005   | 44.14 | ng    | 98       |
| 43) 2,4,5-Trichlorophenol      | 12.71 | 196  | 190216   | 45.11 | ng #  | 91       |
| 45) 1,1'-Biphenyl              | 13.04 | 154  | 608328   | 37.35 | ng    | 97       |
| 46) 2-Chloronaphthalene        | 13.08 | 162  | 486179   | 36.83 | ng    | 96       |
| 47) 2-Nitroaniline             | 13.30 | 65   | 140465   | 39.64 | ng #  | 76       |
| 48) Acenaphthylene             | 13.93 | 152  | 850246   | 38.63 | ng    | 99       |
| 49) Dimethylphthalate          | 13.68 | 163  | 675031   | 41.77 | ng    | 99       |
| 50) 2,6-Dinitrotoluene         | 13.80 | 165  | 164469   | 44.91 | ng #  | 77       |
| 51) Acenaphthene               | 14.28 | 154  | 510051   | 38.26 | ng    | 99       |
| 52) 3-Nitroaniline             | 14.13 | 138  | 186678   | 45.35 | ng    | 89       |
| 53) 2,4-Dinitrophenol          | 14.34 | 184  | 82942    | 53.17 | ng #  | 85       |
| 54) Dibenzofuran               | 14.62 | 168  | 759773   | 39.50 | ng    | 97       |
| 55) 4-Nitrophenol              | 14.45 | 139  | 152272   | 46.76 | ng #  | 77       |
| 56) 2,4-Dinitrotoluene         | 14.59 | 165  | 228304   | 46.49 | ng #  | 87       |
| 57) Fluorene                   | 15.27 | 166  | 667892   | 40.40 | ng    | 98       |
| 58) 2,3,4,6-Tetrachlorophenol  | 14.85 | 232  | 178510   | 49.10 | ng    | 92       |
| 59) Diethylphthalate           | 15.06 | 149  | 698098   | 41.71 | ng    | 97       |
| 60) 4-Chlorophenyl-phenylether | 15.27 | 204  | 332337   | 41.00 | ng    | 93       |
| 61) 4-Nitroaniline             | 15.30 | 138  | 208726   | 43.28 | ng    | 85       |
| 62) Azobenzene                 | 15.56 | 77   | 545040   | 35.24 | ng    | 86       |
| 64) 4,6-Dinitro-2-methylphenol | 15.36 | 198  | 151850   | 52.49 | ng #  | 76       |
| 65) n-Nitrosodiphenylamine     | 15.49 | 169  | 616442   | 39.16 | ng    | 98       |
| 66) 4-Bromophenyl-phenylether  | 16.16 | 248  | 215623   | 41.11 | ng    | 92       |
| 67) Hexachlorobenzene          | 16.27 | 284  | 235098   | 40.38 | ng #  | 90       |
| 68) Atrazine                   | 16.45 | 200  | 206169   | 39.87 | ng    | 99       |
| 69) Pentachlorophenol          | 16.62 | 266  | 149930   | 48.62 | ng    | 98       |
| 70) Phenanthrene               | 17.01 | 178  | 1024609  | 37.94 | ng    | 99       |
| 71) Anthracene                 | 17.10 | 178  | 1028821  | 39.16 | ng    | 98       |
| 72) Carbazole                  | 17.38 | 167  | 982394   | 39.58 | ng    | 99       |
| 73) Di-n-butylphthalate        | 17.95 | 149  | 1168571  | 38.40 | ng    | 99       |
| 74) Fluoranthene               | 19.04 | 202  | 1148885  | 38.86 | ng    | 99       |
| 76) Benzidine                  | 19.24 | 184  | 647657   | 39.18 | ng    | 99       |
| 77) Pyrene                     | 19.40 | 202  | 1161021  | 35.77 | ng    | 99       |
| 79) Butylbenzylphthalate       | 20.32 | 149  | 557662   | 38.36 | ng    | 86       |
| 80) Benzo(a)anthracene         | 21.16 | 228  | 1153838  | 37.54 | ng    | 98       |
| 81) 3,3'-Dichlorobenzidine     | 21.10 | 252  | 487040   | 43.69 | ng #  | 96       |
| 82) Chrysene                   | 21.21 | 228  | 1087985  | 37.16 | ng    | 99       |
| 83) Bis(2-ethylhexyl)phthalate | 21.10 | 149  | 768671   | 38.40 | ng #  | 94       |
| 84) Di-n-octyl phthalate       | 21.97 | 149  | 1274253  | 40.41 | ng #  | 89       |
| 85) Indeno(1,2,3-cd)pyrene     | 25.62 | 276  | 1424290  | 40.23 | ng    | 95       |
| 87) Benzo(b)fluoranthene       | 22.71 | 252  | 1213011  | 38.08 | ng    | 97       |
| 88) Benzo(k)fluoranthene       | 22.76 | 252  | 1145788  | 36.02 | ng    | 98       |
| 89) Benzo(a)pyrene             | 23.28 | 252  | 1134420  | 38.22 | ng    | 98       |
| 90) Dibenzo(a,h)anthracene     | 25.63 | 278  | 1223439  | 39.75 | ng    | 97       |
| 91) Benzo(g,h,i)perylene       | 26.30 | 276  | 1147578  | 38.67 | ng    | 97       |

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

