

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG062215\  
 Data File : BG017739.D  
 Acq On : 22 Jun 2015 10:35  
 Operator : TP/IZ  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSTDCCC040

Quant Time: Jun 23 02:04:35 2015  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG061815.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jun 19 06:05:07 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.61  | 152  | 66177    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 10.39 | 136  | 323975   | 20.00 | ng    | -0.01    |
| 38) Acenaphthene-d10      | 14.27 | 164  | 201060   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 17.02 | 188  | 452110   | 20.00 | ng    | -0.01    |
| 75) Chrysene-d12          | 21.22 | 240  | 435555   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 23.45 | 264  | 409996   | 20.00 | ng    | -0.01    |

## System Monitoring Compounds

|                          |       |     |         |       |    |       |
|--------------------------|-------|-----|---------|-------|----|-------|
| 5) 2-Fluorophenol        | 5.21  | 112 | 315470  | 83.66 | ng | -0.01 |
| 7) Phenol-d6             | 6.79  | 99  | 456510  | 86.13 | ng | -0.01 |
| 23) Nitrobenzene-d5      | 8.76  | 82  | 479671  | 85.17 | ng | -0.01 |
| 41) 2,4,6-Tribromophenol | 15.76 | 330 | 150230  | 80.58 | ng | -0.01 |
| 44) 2-Fluorobiphenyl     | 12.89 | 172 | 974460  | 78.71 | ng | -0.01 |
| 78) Terphenyl-d14        | 19.67 | 244 | 1546077 | 80.66 | ng | -0.01 |

## Target Compounds

|                                |       |     |        |       |    | Qvalue |
|--------------------------------|-------|-----|--------|-------|----|--------|
| 2) 1,4-Dioxane                 | 3.17  | 88  | 74938  | 45.62 | ng | 99     |
| 3) Pyridine                    | 3.55  | 79  | 222112 | 48.58 | ng | 95     |
| 4) n-Nitrosodimethylamine      | 3.47  | 42  | 103914 | 50.01 | ng | # 99   |
| 6) Aniline                     | 6.95  | 93  | 314329 | 43.13 | ng | 98     |
| 8) 2-Chlorophenol              | 7.18  | 128 | 191436 | 40.58 | ng | 89     |
| 9) Benzaldehyde                | 6.76  | 77  | 114867 | 37.39 | ng | 92     |
| 10) Phenol                     | 6.81  | 94  | 249850 | 43.25 | ng | 95     |
| 11) bis(2-Chloroethyl)ether    | 7.05  | 93  | 189900 | 43.34 | ng | 99     |
| 12) 1,3-Dichlorobenzene        | 7.50  | 146 | 209028 | 39.84 | ng | 99     |
| 13) 1,4-Dichlorobenzene        | 7.65  | 146 | 214240 | 39.51 | ng | 97     |
| 14) 1,2-Dichlorobenzene        | 7.96  | 146 | 204522 | 39.96 | ng | 97     |
| 15) Benzyl Alcohol             | 7.85  | 79  | 201332 | 44.11 | ng | 95     |
| 16) 2,2'-oxybis(1-Chloropropan | 8.15  | 45  | 304074 | 45.47 | ng | 99     |
| 17) 2-Methylphenol             | 8.05  | 107 | 178153 | 41.42 | ng | 97     |
| 18) Hexachloroethane           | 8.68  | 117 | 86569  | 41.63 | ng | 96     |
| 19) n-Nitroso-di-n-propylamine | 8.42  | 70  | 195099 | 43.74 | ng | 96     |
| 20) 3+4-Methylphenols          | 8.38  | 107 | 244703 | 42.17 | ng | 99     |
| 22) Acetophenone               | 8.43  | 105 | 292029 | 39.75 | ng | 98     |
| 24) Nitrobenzene               | 8.80  | 77  | 256896 | 42.45 | ng | 99     |
| 25) Isophorone                 | 9.33  | 82  | 514019 | 40.98 | ng | 96     |
| 26) 2-Nitrophenol              | 9.52  | 139 | 114653 | 41.52 | ng | 95     |
| 27) 2,4-Dimethylphenol         | 9.58  | 122 | 204929 | 39.18 | ng | 97     |
| 28) bis(2-Chloroethoxy)methane | 9.82  | 93  | 258428 | 40.87 | ng | 97     |
| 29) 2,4-Dichlorophenol         | 10.04 | 162 | 179296 | 38.90 | ng | 98     |
| 30) 1,2,4-Trichlorobenzene     | 10.26 | 180 | 189813 | 36.67 | ng | 99     |
| 31) Naphthalene                | 10.44 | 128 | 692513 | 39.54 | ng | 100    |
| 32) Benzoic acid               | 9.71  | 122 | 108658 | 39.48 | ng | 98     |
| 33) 4-Chloroaniline            | 10.56 | 127 | 309965 | 40.45 | ng | 99     |
| 34) Hexachlorobutadiene        | 10.73 | 225 | 109571 | 36.98 | ng | 94     |
| 35) Caprolactam                | 11.34 | 113 | 98903  | 38.63 | ng | 92     |
| 36) 4-Chloro-3-methylphenol    | 11.69 | 107 | 229098 | 40.17 | ng | 98     |
| 37) 2-Methylnaphthalene        | 12.07 | 142 | 502621 | 39.90 | ng | 98     |
| 39) 1,2,4,5-Tetrachlorobenzene | 12.44 | 216 | 204121 | 37.85 | ng | 97     |
| 40) Hexachlorocyclopentadiene  | 12.42 | 237 | 133841 | 36.96 | ng | 99     |

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| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 12.69 | 196  | 148071   | 40.56 | ng    | 96       |
| 43) 2,4,5-Trichlorophenol      | 12.75 | 196  | 162910   | 40.92 | ng    | 94       |
| 45) 1,1'-Biphenyl              | 13.10 | 154  | 598237   | 40.27 | ng    | 96       |
| 46) 2-Chloronaphthalene        | 13.13 | 162  | 481503   | 40.26 | ng    | 99       |
| 47) 2-Nitroaniline             | 13.35 | 65   | 176159   | 49.28 | ng    | 96       |
| 48) Acenaphthylene             | 13.99 | 152  | 864729   | 40.47 | ng    | 99       |
| 49) Dimethylphthalate          | 13.74 | 163  | 615116   | 40.00 | ng    | 100      |
| 50) 2,6-Dinitrotoluene         | 13.85 | 165  | 142336   | 44.89 | ng    | 95       |
| 51) Acenaphthene               | 14.33 | 154  | 521952   | 40.48 | ng    | 98       |
| 52) 3-Nitroaniline             | 14.18 | 138  | 167630   | 45.25 | ng    | 91       |
| 53) 2,4-Dinitrophenol          | 14.38 | 184  | 65118    | 45.83 | ng    | # 88     |
| 54) Dibenzofuran               | 14.67 | 168  | 730957   | 40.26 | ng    | 97       |
| 55) 4-Nitrophenol              | 14.49 | 139  | 137718   | 47.05 | ng    | 96       |
| 56) 2,4-Dinitrotoluene         | 14.64 | 165  | 197553   | 43.61 | ng    | 91       |
| 57) Fluorene                   | 15.32 | 166  | 671126   | 40.89 | ng    | 99       |
| 58) 2,3,4,6-Tetrachlorophenol  | 14.90 | 232  | 141469   | 42.85 | ng    | 94       |
| 59) Diethylphthalate           | 15.11 | 149  | 674727   | 40.44 | ng    | 100      |
| 60) 4-Chlorophenyl-phenylether | 15.33 | 204  | 300929   | 39.95 | ng    | 95       |
| 61) 4-Nitroaniline             | 15.35 | 138  | 189540   | 46.09 | ng    | 96       |
| 62) Azobenzene                 | 15.61 | 77   | 771608   | 44.14 | ng    | 96       |
| 64) 4,6-Dinitro-2-methylphenol | 15.40 | 198  | 107918   | 44.48 | ng    | 92       |
| 65) n-Nitrosodiphenylamine     | 15.54 | 169  | 565825   | 39.17 | ng    | 99       |
| 66) 4-Bromophenyl-phenylether  | 16.22 | 248  | 178673   | 38.26 | ng    | 97       |
| 67) Hexachlorobenzene          | 16.32 | 284  | 187731   | 37.11 | ng    | 94       |
| 68) Atrazine                   | 16.50 | 200  | 194211   | 36.84 | ng    | 99       |
| 69) Pentachlorophenol          | 16.67 | 266  | 111381   | 43.89 | ng    | 97       |
| 70) Phenanthrene               | 17.07 | 178  | 1010908  | 39.64 | ng    | 99       |
| 71) Anthracene                 | 17.15 | 178  | 1004842  | 39.46 | ng    | 97       |
| 72) Carbazole                  | 17.43 | 167  | 990446   | 39.68 | ng    | 100      |
| 73) Di-n-butylphthalate        | 18.01 | 149  | 1221118  | 39.20 | ng    | 98       |
| 74) Fluoranthene               | 19.09 | 202  | 1104482  | 37.94 | ng    | 99       |
| 76) Benzidine                  | 19.28 | 184  | 474700   | 32.68 | ng    | 99       |
| 77) Pyrene                     | 19.45 | 202  | 1142665  | 41.22 | ng    | 98       |
| 79) Butylbenzylphthalate       | 20.37 | 149  | 530666   | 40.48 | ng    | 95       |
| 80) Benzo(a)anthracene         | 21.21 | 228  | 979606   | 39.07 | ng    | 99       |
| 81) 3,3'-Dichlorobenzidine     | 21.15 | 252  | 347939   | 37.20 | ng    | 99       |
| 82) Chrysene                   | 21.26 | 228  | 910625   | 39.57 | ng    | 99       |
| 83) Bis(2-ethylhexyl)phthalate | 21.16 | 149  | 733365   | 40.26 | ng    | 99       |
| 84) Di-n-octyl phthalate       | 22.04 | 149  | 1217706  | 40.73 | ng    | 97       |
| 85) Indeno(1,2,3-cd)pyrene     | 25.73 | 276  | 1075457  | 38.96 | ng    | 97       |
| 87) Benzo(b)fluoranthene       | 22.78 | 252  | 979630   | 39.69 | ng    | 96       |
| 88) Benzo(k)fluoranthene       | 22.83 | 252  | 953537   | 40.41 | ng    | 99       |
| 89) Benzo(a)pyrene             | 23.36 | 252  | 906200   | 39.96 | ng    | 99       |
| 90) Dibenzo(a,h)anthracene     | 25.74 | 278  | 894101   | 38.95 | ng    | 98       |
| 91) Benzo(g,h,i)perylene       | 26.42 | 276  | 860002   | 38.66 | ng    | 99       |

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

