

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG081516\  
 Data File : BG023718.D  
 Acq On : 15 Aug 2016 10:03  
 Operator : UM/SJ  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSTDCCC040

Quant Time: Aug 15 17:19:43 2016  
 Quant Method : Z:\HPCHEM1\BNA\_G\Methods\8270-BG080116.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Aug 01 19:22:14 2016  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.11  | 152  | 110031   | 20.00 | ng    | -0.01    |
| 21) Naphthalene-d8        | 10.95 | 136  | 499340   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 14.79 | 164  | 311694   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 17.55 | 188  | 696905   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 21.88 | 240  | 739193   | 20.00 | ng    | 0.02     |
| 86) Perylene-d12          | 25.29 | 264  | 713026   | 20.00 | ng    | 0.05     |

|                             |       |     |         |       |    |       |
|-----------------------------|-------|-----|---------|-------|----|-------|
| System Monitoring Compounds |       |     |         |       |    |       |
| 5) 2-Fluorophenol           | 5.65  | 112 | 538006  | 82.31 | ng | -0.01 |
| 7) Phenol-d6                | 7.27  | 99  | 823663  | 80.90 | ng | 0.00  |
| 23) Nitrobenzene-d5         | 9.29  | 82  | 801306  | 79.78 | ng | 0.00  |
| 41) 2,4,6-Tribromophenol    | 16.29 | 330 | 348966  | 76.54 | ng | 0.00  |
| 44) 2-Fluorobiphenyl        | 13.40 | 172 | 1569547 | 84.93 | ng | 0.00  |
| 78) Terphenyl-d14           | 20.16 | 244 | 1980623 | 83.52 | ng | 0.00  |

|                                |       |     |         |       |    |        |
|--------------------------------|-------|-----|---------|-------|----|--------|
| Target Compounds               |       |     |         |       |    | Qvalue |
| 2) 1,4-Dioxane                 | 3.52  | 88  | 100823  | 36.20 | ng | # 90   |
| 3) Pyridine                    | 3.92  | 79  | 324127  | 35.42 | ng | 92     |
| 4) n-Nitrosodimethylamine      | 3.84  | 42  | 133906  | 39.46 | ng | # 76   |
| 6) Aniline                     | 7.43  | 93  | 500198  | 34.00 | ng | 95     |
| 8) 2-Chlorophenol              | 7.68  | 128 | 287340  | 38.26 | ng | 98     |
| 9) Benzaldehyde                | 7.24  | 77  | 234173  | 40.55 | ng | 94     |
| 10) Phenol                     | 7.29  | 94  | 405645  | 37.24 | ng | 85     |
| 11) bis(2-Chloroethyl)ether    | 7.52  | 93  | 323146  | 37.19 | ng | 93     |
| 12) 1,3-Dichlorobenzene        | 8.00  | 146 | 326873  | 38.02 | ng | 94     |
| 13) 1,4-Dichlorobenzene        | 8.15  | 146 | 342667  | 38.93 | ng | 97     |
| 14) 1,2-Dichlorobenzene        | 8.47  | 146 | 325423  | 37.69 | ng | 93     |
| 15) Benzyl Alcohol             | 8.35  | 79  | 313297  | 40.61 | ng | 94     |
| 16) 2,2'-oxybis(1-Chloropropan | 8.63  | 45  | 468006  | 36.63 | ng | 91     |
| 17) 2-Methylphenol             | 8.56  | 107 | 270385  | 37.03 | ng | # 88   |
| 18) Hexachloroethane           | 9.20  | 117 | 129202  | 39.00 | ng | 95     |
| 19) n-Nitroso-di-n-propylamine | 8.92  | 70  | 304141  | 34.73 | ng | 96     |
| 20) 3+4-Methylphenols          | 8.89  | 107 | 382290  | 37.14 | ng | 91     |
| 22) Acetophenone               | 8.94  | 105 | 519127  | 37.97 | ng | # 92   |
| 24) Nitrobenzene               | 9.34  | 77  | 459074  | 41.27 | ng | 92     |
| 25) Isophorone                 | 9.86  | 82  | 790422  | 37.78 | ng | # 94   |
| 26) 2-Nitrophenol              | 10.05 | 139 | 191539  | 40.80 | ng | # 82   |
| 27) 2,4-Dimethylphenol         | 10.11 | 122 | 305529  | 38.23 | ng | 90     |
| 28) bis(2-Chloroethoxy)methane | 10.34 | 93  | 430587  | 34.24 | ng | 99     |
| 29) 2,4-Dichlorophenol         | 10.60 | 162 | 321059  | 39.95 | ng | 99     |
| 30) 1,2,4-Trichlorobenzene     | 10.81 | 180 | 345872  | 39.90 | ng | 100    |
| 31) Naphthalene                | 11.00 | 128 | 959077  | 37.72 | ng | 98     |
| 32) Benzoic acid               | 10.26 | 122 | 233563  | 33.92 | ng | 92     |
| 33) 4-Chloroaniline            | 11.11 | 127 | 407425  | 33.52 | ng | 93     |
| 34) Hexachlorobutadiene        | 11.28 | 225 | 234968  | 41.22 | ng | 98     |
| 35) Caprolactam                | 11.90 | 113 | 106385  | 31.46 | ng | 93     |
| 36) 4-Chloro-3-methylphenol    | 12.24 | 107 | 386920  | 36.64 | ng | # 93   |
| 37) 2-Methylnaphthalene        | 12.61 | 142 | 697122m | 36.06 | ng |        |
| 39) 1,2,4,5-Tetrachlorobenzene | 12.97 | 216 | 484500  | 42.86 | ng | 98     |
| 40) Hexachlorocyclopentadiene  | 12.95 | 237 | 130648  | 22.92 | ng | 99     |

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|--------------------------------|-------|------|----------|-------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 13.22 | 196  | 271849   | 40.37 | ng    | 98       |
| 43) 2,4,5-Trichlorophenol      | 13.30 | 196  | 276841   | 39.94 | ng #  | 91       |
| 45) 1,1'-Biphenyl              | 13.61 | 154  | 965307   | 40.51 | ng    | 96       |
| 46) 2-Chloronaphthalene        | 13.66 | 162  | 745608   | 40.45 | ng    | 98       |
| 47) 2-Nitroaniline             | 13.87 | 65   | 289286   | 37.80 | ng #  | 84       |
| 48) Acenaphthylene             | 14.51 | 152  | 1157113  | 39.71 | ng    | 99       |
| 49) Dimethylphthalate          | 14.23 | 163  | 956923   | 40.01 | ng    | 99       |
| 50) 2,6-Dinitrotoluene         | 14.36 | 165  | 217197   | 38.35 | ng #  | 80       |
| 51) Acenaphthene               | 14.85 | 154  | 727357   | 39.40 | ng    | 98       |
| 52) 3-Nitroaniline             | 14.70 | 138  | 212056   | 33.21 | ng #  | 83       |
| 53) 2,4-Dinitrophenol          | 14.91 | 184  | 98279    | 27.07 | ng    | 92       |
| 54) Dibenzofuran               | 15.18 | 168  | 1042475  | 38.90 | ng    | 97       |
| 55) 4-Nitrophenol              | 15.02 | 139  | 158106   | 31.52 | ng #  | 82       |
| 56) 2,4-Dinitrotoluene         | 15.16 | 165  | 306816   | 38.60 | ng    | 93       |
| 57) Fluorene                   | 15.84 | 166  | 907273   | 38.79 | ng    | 97       |
| 58) 2,3,4,6-Tetrachlorophenol  | 15.42 | 232  | 234656m  | 36.89 | ng    |          |
| 59) Diethylphthalate           | 15.59 | 149  | 959325   | 39.52 | ng    | 99       |
| 60) 4-Chlorophenyl-phenylether | 15.82 | 204  | 484429   | 39.14 | ng    | 100      |
| 61) 4-Nitroaniline             | 15.87 | 138  | 223445   | 32.86 | ng #  | 68       |
| 62) Azobenzene                 | 16.12 | 77   | 950308   | 38.62 | ng    | 91       |
| 64) 4,6-Dinitro-2-methylphenol | 15.93 | 198  | 165255   | 34.88 | ng    | 94       |
| 65) n-Nitrosodiphenylamine     | 16.04 | 169  | 798729   | 39.07 | ng    | 96       |
| 66) 4-Bromophenyl-phenylether  | 16.72 | 248  | 327081   | 40.27 | ng    | 96       |
| 67) Hexachlorobenzene          | 16.85 | 284  | 342194   | 38.51 | ng    | 98       |
| 68) Atrazine                   | 16.99 | 200  | 309604   | 39.44 | ng    | 97       |
| 69) Pentachlorophenol          | 17.20 | 266  | 175347   | 33.85 | ng    | 99       |
| 70) Phenanthrene               | 17.59 | 178  | 1378289  | 38.98 | ng    | 99       |
| 71) Anthracene                 | 17.69 | 178  | 1406094  | 39.53 | ng    | 98       |
| 72) Carbazole                  | 17.96 | 167  | 1227681  | 39.31 | ng    | 98       |
| 73) Di-n-butylphthalate        | 18.50 | 149  | 1520246  | 48.62 | ng    | 97       |
| 74) Fluoranthene               | 19.61 | 202  | 1588850  | 48.44 | ng    | 95       |
| 76) Benzidine                  | 19.79 | 184  | 766225   | 37.29 | ng    | 98       |
| 77) Pyrene                     | 19.97 | 202  | 1611476  | 36.91 | ng    | 97       |
| 79) Butylbenzylphthalate       | 20.85 | 149  | 718652   | 40.37 | ng    | 96       |
| 80) Benzo(a)anthracene         | 21.86 | 228  | 1586829  | 38.89 | ng    | 97       |
| 81) 3,3'-Dichlorobenzidine     | 21.77 | 252  | 649505   | 38.81 | ng #  | 99       |
| 82) Chrysene                   | 21.93 | 228  | 1531531  | 39.45 | ng    | 99       |
| 83) Bis(2-ethylhexyl)phthalate | 21.73 | 149  | 969702   | 39.78 | ng #  | 98       |
| 84) Di-n-octyl phthalate       | 23.00 | 149  | 1669445  | 40.13 | ng    | 98       |
| 85) Indeno(1,2,3-cd)pyrene     | 29.21 | 276  | 1456961  | 30.03 | ng #  | 100      |
| 87) Benzo(b)fluoranthene       | 24.20 | 252  | 1570409  | 39.14 | ng #  | 97       |
| 88) Benzo(k)fluoranthene       | 24.27 | 252  | 1580317  | 41.01 | ng #  | 98       |
| 89) Benzo(a)pyrene             | 25.13 | 252  | 1507311  | 39.51 | ng #  | 96       |
| 90) Dibenzo(a,h)anthracene     | 29.27 | 278  | 1309457  | 33.60 | ng #  | 96       |
| 91) Benzo(g,h,i)perylene       | 30.43 | 276  | 1278567m | 32.58 | ng    |          |

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

