

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG090916\  
 Data File : BG023971.D  
 Acq On : 9 Sep 2016 10:21  
 Operator : UM/SJ  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSTDCCC040

Quant Time: Sep 09 12:51:11 2016  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG083116.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Sep 09 12:43:30 2016  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.10  | 152  | 55007    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 10.94 | 136  | 275844   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 14.77 | 164  | 235528   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 17.53 | 188  | 614746   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 21.84 | 240  | 661280   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 25.21 | 264  | 661797   | 20.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |         |       |    |      |
|--------------------------|-------|-----|---------|-------|----|------|
| 5) 2-Fluorophenol        | 5.65  | 112 | 258756  | 82.59 | ng | 0.00 |
| 7) Phenol-d6             | 7.28  | 99  | 413212  | 85.68 | ng | 0.00 |
| 23) Nitrobenzene-d5      | 9.28  | 82  | 534334  | 86.48 | ng | 0.00 |
| 41) 2,4,6-Tribromophenol | 16.27 | 330 | 345133  | 81.33 | ng | 0.00 |
| 44) 2-Fluorobiphenyl     | 13.38 | 172 | 1220532 | 74.30 | ng | 0.00 |
| 78) Terphenyl-d14        | 20.13 | 244 | 2112721 | 72.76 | ng | 0.00 |

## Target Compounds

|                                |       |     |        |       |    | Qvalue |
|--------------------------------|-------|-----|--------|-------|----|--------|
| 2) 1,4-Dioxane                 | 3.49  | 88  | 48447  | 37.49 | ng | 93     |
| 3) Pyridine                    | 3.91  | 79  | 169737 | 43.71 | ng | 96     |
| 4) n-Nitrosodimethylamine      | 3.82  | 42  | 98589  | 48.16 | ng | # 78   |
| 6) Aniline                     | 7.43  | 93  | 277135 | 43.29 | ng | 97     |
| 8) 2-Chlorophenol              | 7.67  | 128 | 146999 | 40.50 | ng | 99     |
| 9) Benzaldehyde                | 7.24  | 77  | 136320 | 39.78 | ng | 89     |
| 10) Phenol                     | 7.30  | 94  | 213092 | 42.00 | ng | 93     |
| 11) bis(2-Chloroethyl)ether    | 7.52  | 93  | 154388 | 38.68 | ng | 86     |
| 12) 1,3-Dichlorobenzene        | 7.99  | 146 | 161862 | 38.10 | ng | 97     |
| 13) 1,4-Dichlorobenzene        | 8.14  | 146 | 172286 | 38.28 | ng | 99     |
| 14) 1,2-Dichlorobenzene        | 8.46  | 146 | 166303 | 39.37 | ng | 91     |
| 15) Benzyl Alcohol             | 8.36  | 79  | 196644 | 46.25 | ng | 95     |
| 16) 2,2'-oxybis(1-Chloropropan | 8.63  | 45  | 209880 | 39.23 | ng | 90     |
| 17) 2-Methylphenol             | 8.56  | 107 | 145720 | 42.63 | ng | 96     |
| 18) Hexachloroethane           | 9.19  | 117 | 68472  | 39.51 | ng | 91     |
| 19) n-Nitroso-di-n-propylamine | 8.91  | 70  | 180294 | 42.32 | ng | 89     |
| 20) 3+4-Methylphenols          | 8.90  | 107 | 211345 | 44.37 | ng | 95     |
| 22) Acetophenone               | 8.94  | 105 | 296160 | 41.47 | ng | # 98   |
| 24) Nitrobenzene               | 9.33  | 77  | 285237 | 42.93 | ng | 96     |
| 25) Isophorone                 | 9.85  | 82  | 513456 | 42.85 | ng | 96     |
| 26) 2-Nitrophenol              | 10.05 | 139 | 103306 | 40.90 | ng | 96     |
| 27) 2,4-Dimethylphenol         | 10.11 | 122 | 184913 | 43.08 | ng | 88     |
| 28) bis(2-Chloroethoxy)methane | 10.33 | 93  | 251135 | 41.51 | ng | 100    |
| 29) 2,4-Dichlorophenol         | 10.59 | 162 | 204237 | 44.91 | ng | 99     |
| 30) 1,2,4-Trichlorobenzene     | 10.79 | 180 | 201339 | 40.36 | ng | 99     |
| 31) Naphthalene                | 10.99 | 128 | 564222 | 39.70 | ng | 99     |
| 32) Benzoic acid               | 10.29 | 122 | 147851 | 42.41 | ng | 98     |
| 33) 4-Chloroaniline            | 11.11 | 127 | 260271 | 43.85 | ng | 96     |
| 34) Hexachlorobutadiene        | 11.26 | 225 | 159208 | 42.49 | ng | 96     |
| 35) Caprolactam                | 11.92 | 113 | 71380  | 44.53 | ng | # 84   |
| 36) 4-Chloro-3-methylphenol    | 12.24 | 107 | 280262 | 46.12 | ng | 93     |
| 37) 2-Methylnaphthalene        | 12.59 | 142 | 450557 | 41.67 | ng | 97     |
| 39) 1,2,4,5-Tetrachlorobenzene | 12.96 | 216 | 302538 | 38.70 | ng | 99     |
| 40) Hexachlorocyclopentadiene  | 12.93 | 237 | 156349 | 37.33 | ng | 99     |

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| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 13.21 | 196  | 212558   | 40.74 | ng    | 97       |
| 43) 2,4,5-Trichlorophenol      | 13.29 | 196  | 217679   | 41.28 | ng    | 92       |
| 45) 1,1'-Biphenyl              | 13.60 | 154  | 705994   | 37.27 | ng    | 98       |
| 46) 2-Chloronaphthalene        | 13.64 | 162  | 525336   | 37.77 | ng    | 97       |
| 47) 2-Nitroaniline             | 13.86 | 65   | 250959   | 45.81 | ng    | 97       |
| 48) Acenaphthylene             | 14.49 | 152  | 887604   | 38.29 | ng    | 98       |
| 49) Dimethylphthalate          | 14.22 | 163  | 773658   | 38.31 | ng    | 99       |
| 50) 2,6-Dinitrotoluene         | 14.35 | 165  | 167801   | 39.36 | ng    | 92       |
| 51) Acenaphthene               | 14.83 | 154  | 544338   | 37.98 | ng    | 95       |
| 52) 3-Nitroaniline             | 14.69 | 138  | 168662   | 42.29 | ng    | 88       |
| 53) 2,4-Dinitrophenol          | 14.91 | 184  | 106012   | 37.75 | ng    | 91       |
| 54) Dibenzofuran               | 15.16 | 168  | 869081   | 38.85 | ng    | 99       |
| 55) 4-Nitrophenol              | 15.02 | 139  | 124061   | 39.10 | ng    | # 81     |
| 56) 2,4-Dinitrotoluene         | 15.15 | 165  | 256701   | 40.96 | ng    | 91       |
| 57) Fluorene                   | 15.82 | 166  | 753446   | 38.84 | ng    | 99       |
| 58) 2,3,4,6-Tetrachlorophenol  | 15.41 | 232  | 226858   | 42.38 | ng    | 96       |
| 59) Diethylphthalate           | 15.58 | 149  | 831765   | 38.58 | ng    | 99       |
| 60) 4-Chlorophenyl-phenylether | 15.80 | 204  | 425280   | 40.73 | ng    | 98       |
| 61) 4-Nitroaniline             | 15.86 | 138  | 167524   | 41.55 | ng    | 97       |
| 62) Azobenzene                 | 16.10 | 77   | 849420   | 40.68 | ng    | 97       |
| 64) 4,6-Dinitro-2-methylphenol | 15.92 | 198  | 175928   | 41.22 | ng    | 93       |
| 65) n-Nitrosodiphenylamine     | 16.02 | 169  | 713607   | 40.87 | ng    | 98       |
| 66) 4-Bromophenyl-phenylether  | 16.70 | 248  | 310539   | 41.52 | ng    | 99       |
| 67) Hexachlorobenzene          | 16.83 | 284  | 338872   | 38.63 | ng    | 97       |
| 68) Atrazine                   | 16.98 | 200  | 309159   | 41.15 | ng    | 98       |
| 69) Pentachlorophenol          | 17.19 | 266  | 183869   | 39.47 | ng    | 98       |
| 70) Phenanthrene               | 17.57 | 178  | 1247609  | 39.01 | ng    | 98       |
| 71) Anthracene                 | 17.66 | 178  | 1275126  | 39.09 | ng    | 99       |
| 72) Carbazole                  | 17.94 | 167  | 1127605  | 38.09 | ng    | 97       |
| 73) Di-n-butylphthalate        | 18.47 | 149  | 1349470  | 38.21 | ng    | 99       |
| 74) Fluoranthene               | 19.58 | 202  | 1482517  | 38.50 | ng    | 97       |
| 76) Benzidine                  | 19.76 | 184  | 715750   | 34.95 | ng    | 96       |
| 77) Pyrene                     | 19.95 | 202  | 1497524  | 36.82 | ng    | 96       |
| 79) Butylbenzylphthalate       | 20.82 | 149  | 625145   | 39.87 | ng    | 99       |
| 80) Benzo(a)anthracene         | 21.82 | 228  | 1507054  | 40.71 | ng    | 96       |
| 81) 3,3'-Dichlorobenzidine     | 21.73 | 252  | 610706   | 41.27 | ng    | # 98     |
| 82) Chrysene                   | 21.89 | 228  | 1417300  | 40.22 | ng    | 98       |
| 83) Bis(2-ethylhexyl)phthalate | 21.69 | 149  | 869805   | 40.52 | ng    | 97       |
| 84) Di-n-octyl phthalate       | 22.94 | 149  | 1477900  | 41.98 | ng    | 99       |
| 85) Indeno(1,2,3-cd)pyrene     | 29.09 | 276  | 1792849  | 45.96 | ng    | # 100    |
| 87) Benzo(b)fluoranthene       | 24.14 | 252  | 1562086  | 41.55 | ng    | 99       |
| 88) Benzo(k)fluoranthene       | 24.21 | 252  | 1494597  | 40.09 | ng    | # 99     |
| 89) Benzo(a)pyrene             | 25.05 | 252  | 1472851  | 41.26 | ng    | # 98     |
| 90) Dibenzo(a,h)anthracene     | 29.14 | 278  | 1458008  | 41.53 | ng    | 98       |
| 91) Benzo(g,h,i)perylene       | 30.30 | 276  | 1459591  | 43.23 | ng    | # 96     |

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

