

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG062516\  
 Data File : BG022539.D  
 Acq On : 24 Jun 2016 14:29  
 Operator : UM/SJ  
 Sample : SSTDICCC40  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSTDICCC40

Quant Time: Jun 24 15:16:04 2016  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG062516.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jun 24 15:13:02 2016  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.17  | 152  | 129331   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 10.99 | 136  | 530603   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 14.81 | 164  | 357320   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 17.56 | 188  | 859993   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 21.85 | 240  | 945731   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 25.21 | 264  | 986289   | 20.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |         |       |    |      |
|--------------------------|-------|-----|---------|-------|----|------|
| 5) 2-Fluorophenol        | 5.71  | 112 | 643741  | 38.41 | ng | 0.00 |
| 7) Phenol-d6             | 7.31  | 99  | 913306  | 38.77 | ng | 0.00 |
| 23) Nitrobenzene-d5      | 9.34  | 82  | 1018434 | 39.93 | ng | 0.00 |
| 41) 2,4,6-Tribromophenol | 16.29 | 330 | 451431  | 39.23 | ng | 0.00 |
| 44) 2-Fluorobiphenyl     | 13.43 | 172 | 1897967 | 35.97 | ng | 0.00 |
| 78) Terphenyl-d14        | 20.16 | 244 | 2701627 | 32.92 | ng | 0.00 |

## Target Compounds

|                                |       |     |         |       |    | Qvalue |
|--------------------------------|-------|-----|---------|-------|----|--------|
| 2) 1,4-Dioxane                 | 3.60  | 88  | 133351  | 35.88 | ng | 97     |
| 3) Pyridine                    | 4.01  | 79  | 376193  | 43.31 | ng | 97     |
| 4) n-Nitrosodimethylamine      | 3.91  | 42  | 216084  | 40.29 | ng | 93     |
| 6) Aniline                     | 7.49  | 93  | 614638  | 40.79 | ng | 97     |
| 8) 2-Chlorophenol              | 7.73  | 128 | 326000  | 38.08 | ng | 97     |
| 9) Benzaldehyde                | 7.30  | 77  | 163037  | 32.68 | ng | 91     |
| 10) Phenol                     | 7.34  | 94  | 489096  | 39.81 | ng | 95     |
| 11) bis(2-Chloroethyl)ether    | 7.58  | 93  | 417669  | 40.87 | ng | 94     |
| 12) 1,3-Dichlorobenzene        | 8.06  | 146 | 408940  | 38.17 | ng | 99     |
| 13) 1,4-Dichlorobenzene        | 8.21  | 146 | 400588  | 37.77 | ng | 96     |
| 14) 1,2-Dichlorobenzene        | 8.52  | 146 | 380036  | 37.49 | ng | 97     |
| 15) Benzyl Alcohol             | 8.41  | 79  | 452756  | 44.74 | ng | 96     |
| 16) 2,2'-oxybis(1-Chloropropan | 8.70  | 45  | 440304  | 39.23 | ng | 96     |
| 17) 2-Methylphenol             | 8.60  | 107 | 308997  | 37.92 | ng | 96     |
| 18) Hexachloroethane           | 9.27  | 117 | 172948  | 39.95 | ng | 94     |
| 19) n-Nitroso-di-n-propylamine | 8.98  | 70  | 380687  | 39.55 | ng | 99     |
| 20) 3+4-Methylphenols          | 8.93  | 107 | 430650  | 38.33 | ng | 97     |
| 22) Acetophenone               | 8.99  | 105 | 624363  | 39.87 | ng | 95     |
| 24) Nitrobenzene               | 9.38  | 77  | 547460  | 38.78 | ng | 94     |
| 25) Isophorone                 | 9.91  | 82  | 966403  | 38.65 | ng | 98     |
| 26) 2-Nitrophenol              | 10.09 | 139 | 196933  | 40.34 | ng | 98     |
| 27) 2,4-Dimethylphenol         | 10.15 | 122 | 363489  | 36.69 | ng | 86     |
| 28) bis(2-Chloroethoxy)methane | 10.39 | 93  | 517447  | 37.83 | ng | 99     |
| 29) 2,4-Dichlorophenol         | 10.63 | 162 | 377980  | 40.71 | ng | 97     |
| 30) 1,2,4-Trichlorobenzene     | 10.85 | 180 | 437684  | 38.63 | ng | 99     |
| 31) Naphthalene                | 11.05 | 128 | 1061654 | 38.18 | ng | 98     |
| 32) Benzoic acid               | 10.27 | 122 | 238656  | 46.91 | ng | 94     |
| 33) 4-Chloroaniline            | 11.15 | 127 | 489107  | 44.42 | ng | 99     |
| 34) Hexachlorobutadiene        | 11.33 | 225 | 349091  | 39.92 | ng | 94     |
| 35) Caprolactam                | 11.93 | 113 | 118003  | 41.41 | ng | 92     |
| 36) 4-Chloro-3-methylphenol    | 12.25 | 107 | 457127  | 39.38 | ng | 98     |
| 37) 2-Methylnaphthalene        | 12.64 | 142 | 823029  | 38.39 | ng | 98     |
| 39) 1,2,4,5-Tetrachlorobenzene | 13.00 | 216 | 525904  | 36.86 | ng | 99     |
| 40) Hexachlorocyclopentadiene  | 12.98 | 237 | 443748  | 40.54 | ng | 98     |

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|--------------------------------|-------|------|----------|-------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 13.24 | 196  | 355488   | 40.34 | ng    | 98       |
| 43) 2,4,5-Trichlorophenol      | 13.30 | 196  | 358081   | 38.80 | ng    | 93       |
| 45) 1,1'-Biphenyl              | 13.64 | 154  | 1086465  | 37.37 | ng    | 99       |
| 46) 2-Chloronaphthalene        | 13.68 | 162  | 889222   | 37.54 | ng    | 98       |
| 47) 2-Nitroaniline             | 13.88 | 65   | 352092   | 40.72 | ng    | 96       |
| 48) Acenaphthylene             | 14.53 | 152  | 1307623  | 37.78 | ng    | 100      |
| 49) Dimethylphthalate          | 14.25 | 163  | 1172722  | 36.85 | ng    | 97       |
| 50) 2,6-Dinitrotoluene         | 14.37 | 165  | 261292   | 40.07 | ng    | 93       |
| 51) Acenaphthene               | 14.87 | 154  | 972352   | 38.69 | ng    | 99       |
| 52) 3-Nitroaniline             | 14.70 | 138  | 244729   | 41.05 | ng    | 92       |
| 53) 2,4-Dinitrophenol          | 14.90 | 184  | 164375   | 43.90 | ng    | 98       |
| 54) Dibenzofuran               | 15.20 | 168  | 1365286  | 36.40 | ng    | 98       |
| 55) 4-Nitrophenol              | 14.99 | 139  | 200898   | 39.41 | ng    | 97       |
| 56) 2,4-Dinitrotoluene         | 15.15 | 165  | 360485   | 40.86 | ng    | 95       |
| 57) Fluorene                   | 15.85 | 166  | 1101087  | 37.24 | ng    | 96       |
| 58) 2,3,4,6-Tetrachlorophenol  | 15.42 | 232  | 373615   | 39.21 | ng    | 98       |
| 59) Diethylphthalate           | 15.61 | 149  | 1188486  | 36.36 | ng    | 98       |
| 60) 4-Chlorophenyl-phenylether | 15.84 | 204  | 648275   | 37.64 | ng    | 96       |
| 61) 4-Nitroaniline             | 15.86 | 138  | 250409   | 39.62 | ng    | 93       |
| 62) Azobenzene                 | 16.13 | 77   | 1323974  | 37.25 | ng    | 96       |
| 64) 4,6-Dinitro-2-methylphenol | 15.92 | 198  | 246249   | 44.80 | ng    | 99       |
| 65) n-Nitrosodiphenylamine     | 16.05 | 169  | 1022815  | 39.25 | ng    | 97       |
| 66) 4-Bromophenyl-phenylether  | 16.74 | 248  | 447476   | 38.66 | ng    | 97       |
| 67) Hexachlorobenzene          | 16.85 | 284  | 466776   | 37.97 | ng    | 99       |
| 68) Atrazine                   | 17.00 | 200  | 428719   | 39.75 | ng    | 95       |
| 69) Pentachlorophenol          | 17.19 | 266  | 326685   | 40.12 | ng    | 95       |
| 70) Phenanthrene               | 17.60 | 178  | 1762793  | 37.15 | ng    | 97       |
| 71) Anthracene                 | 17.68 | 178  | 1817068  | 36.83 | ng    | 99       |
| 72) Carbazole                  | 17.96 | 167  | 1558071  | 38.22 | ng    | 99       |
| 73) Di-n-butylphthalate        | 18.51 | 149  | 1883289  | 36.47 | ng    | 98       |
| 74) Fluoranthene               | 19.60 | 202  | 2100888  | 35.66 | ng    | 98       |
| 76) Benzidine                  | 19.78 | 184  | 393386   | 78.93 | ng    | 98       |
| 77) Pyrene                     | 19.96 | 202  | 2145180  | 36.67 | ng    | 99       |
| 79) Butylbenzylphthalate       | 20.85 | 149  | 912198   | 40.65 | ng    | 94       |
| 80) Benzo(a)anthracene         | 21.83 | 228  | 2206485  | 36.59 | ng    | 97       |
| 81) 3,3'-Dichlorobenzidine     | 21.74 | 252  | 897307   | 40.33 | ng    | # 94     |
| 82) Chrysene                   | 21.90 | 228  | 2072640  | 36.72 | ng    | 97       |
| 83) Bis(2-ethylhexyl)phthalate | 21.73 | 149  | 1253912  | 38.44 | ng    | 99       |
| 84) Di-n-octyl phthalate       | 23.00 | 149  | 2070885  | 37.87 | ng    | 99       |
| 85) Indeno(1,2,3-cd)pyrene     | 29.07 | 276  | 2609678  | 38.63 | ng    | # 100    |
| 87) Benzo(b)fluoranthene       | 24.14 | 252  | 2396707  | 38.07 | ng    | 97       |
| 88) Benzo(k)fluoranthene       | 24.21 | 252  | 2242745  | 37.40 | ng    | # 98     |
| 89) Benzo(a)pyrene             | 25.06 | 252  | 2324918  | 37.86 | ng    | 99       |
| 90) Dibenzo(a,h)anthracene     | 29.14 | 278  | 2131512  | 37.18 | ng    | # 95     |
| 91) Benzo(g,h,i)perylene       | 30.28 | 276  | 2169534  | 37.07 | ng    | 96       |

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

