

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG060616\  
 Data File : BG022165.D  
 Acq On : 6 Jun 2016 12:19  
 Operator : UM/SJ  
 Sample : SSTDICC50  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSTDICC50

Quant Time: Jun 06 13:59:53 2016  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG060616.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jun 06 13:59:41 2016  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.12  | 152  | 27991    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 10.94 | 136  | 141624   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 14.75 | 164  | 90593    | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 17.49 | 188  | 208925   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 21.77 | 240  | 206262   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 25.06 | 264  | 196914   | 20.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |        |        |    |      |
|--------------------------|-------|-----|--------|--------|----|------|
| 5) 2-Fluorophenol        | 5.67  | 112 | 151911 | 90.38  | ng | 0.00 |
| 7) Phenol-d6             | 7.28  | 99  | 230273 | 91.71  | ng | 0.00 |
| 23) Nitrobenzene-d5      | 9.29  | 82  | 210522 | 76.40  | ng | 0.00 |
| 41) 2,4,6-Tribromophenol | 16.24 | 330 | 102326 | 104.80 | ng | 0.00 |
| 44) 2-Fluorobiphenyl     | 13.37 | 172 | 588457 | 95.17  | ng | 0.00 |
| 78) Terphenyl-d14        | 20.09 | 244 | 847104 | 102.48 | ng | 0.00 |

## Target Compounds

|                                |       |     |        |       |    | Qvalue |
|--------------------------------|-------|-----|--------|-------|----|--------|
| 2) 1,4-Dioxane                 | 3.52  | 88  | 35200  | 47.05 | ng | 99     |
| 3) Pyridine                    | 3.93  | 79  | 90685  | 40.39 | ng | 99     |
| 4) n-Nitrosodimethylamine      | 3.85  | 42  | 21206  | 19.06 | ng | 99     |
| 6) Aniline                     | 7.44  | 93  | 147329 | 44.37 | ng | # 80   |
| 8) 2-Chlorophenol              | 7.68  | 128 | 100782 | 50.01 | ng | # 76   |
| 9) Benzaldehyde                | 7.26  | 77  | 59438  | 40.94 | ng | # 75   |
| 10) Phenol                     | 7.31  | 94  | 118574 | 43.91 | ng | 83     |
| 11) bis(2-Chloroethyl)ether    | 7.53  | 93  | 93509  | 43.26 | ng | # 73   |
| 12) 1,3-Dichlorobenzene        | 8.01  | 146 | 102804 | 45.68 | ng | # 92   |
| 13) 1,4-Dichlorobenzene        | 8.15  | 146 | 104110 | 45.44 | ng | 96     |
| 14) 1,2-Dichlorobenzene        | 8.48  | 146 | 103338 | 47.01 | ng | 97     |
| 15) Benzyl Alcohol             | 8.36  | 79  | 72645  | 37.86 | ng | # 86   |
| 16) 2,2'-oxybis(1-Chloropropan | 8.65  | 45  | 92718  | 20.03 | ng | 82     |
| 17) 2-Methylphenol             | 8.57  | 107 | 85283  | 45.68 | ng | # 85   |
| 18) Hexachloroethane           | 9.21  | 117 | 37861  | 45.41 | ng | # 74   |
| 19) n-Nitroso-di-n-propylamine | 8.92  | 70  | 74961  | 38.42 | ng | # 67   |
| 20) 3+4-Methylphenols          | 8.89  | 107 | 123709 | 48.42 | ng | 95     |
| 22) Acetophenone               | 8.95  | 105 | 158214 | 40.11 | ng | # 81   |
| 24) Nitrobenzene               | 9.33  | 77  | 104877 | 35.55 | ng | # 82   |
| 25) Isophorone                 | 9.85  | 82  | 231492 | 38.39 | ng | # 93   |
| 26) 2-Nitrophenol              | 10.05 | 139 | 59447  | 52.78 | ng | # 74   |
| 27) 2,4-Dimethylphenol         | 10.10 | 122 | 103594 | 40.49 | ng | 87     |
| 28) bis(2-Chloroethoxy)methane | 10.33 | 93  | 136287 | 42.53 | ng | 92     |
| 29) 2,4-Dichlorophenol         | 10.59 | 162 | 98158  | 45.00 | ng | 93     |
| 30) 1,2,4-Trichlorobenzene     | 10.80 | 180 | 103401 | 44.08 | ng | 95     |
| 31) Naphthalene                | 10.99 | 128 | 347346 | 45.83 | ng | # 94   |
| 32) Benzoic acid               | 10.23 | 122 | 32492  | 23.86 | ng | # 76   |
| 33) 4-Chloroaniline            | 11.10 | 127 | 149246 | 45.49 | ng | # 87   |
| 34) Hexachlorobutadiene        | 11.26 | 225 | 54031  | 35.71 | ng | 99     |
| 35) Caprolactam                | 11.87 | 113 | 48891  | 48.98 | ng | # 46   |
| 36) 4-Chloro-3-methylphenol    | 12.22 | 107 | 112753 | 41.10 | ng | # 79   |
| 37) 2-Methylnaphthalene        | 12.58 | 142 | 257711 | 49.53 | ng | 94     |
| 39) 1,2,4,5-Tetrachlorobenzene | 12.95 | 216 | 116821 | 41.26 | ng | 99     |
| 40) Hexachlorocyclopentadiene  | 12.92 | 237 | 54818  | 34.86 | ng | 97     |

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|--------------------------------|-------|------|----------|-------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 13.19 | 196  | 81046    | 44.89 | ng    | 96       |
| 43) 2,4,5-Trichlorophenol      | 13.27 | 196  | 85610    | 43.95 | ng    | 95       |
| 45) 1,1'-Biphenyl              | 13.58 | 154  | 341108   | 44.69 | ng    | 95       |
| 46) 2-Chloronaphthalene        | 13.63 | 162  | 262588   | 46.53 | ng    | 96       |
| 47) 2-Nitroaniline             | 13.84 | 65   | 60813    | 31.43 | ng    | # 53     |
| 48) Acenaphthylene             | 14.48 | 152  | 452189   | 48.47 | ng    | 99       |
| 49) Dimethylphthalate          | 14.19 | 163  | 360423   | 46.01 | ng    | 100      |
| 50) 2,6-Dinitrotoluene         | 14.32 | 165  | 82474    | 55.22 | ng    | # 78     |
| 51) Acenaphthene               | 14.81 | 154  | 269746   | 45.22 | ng    | 98       |
| 52) 3-Nitroaniline             | 14.66 | 138  | 90118    | 54.41 | ng    | # 82     |
| 53) 2,4-Dinitrophenol          | 14.88 | 184  | 27664    | 57.45 | ng    | # 76     |
| 54) Dibenzofuran               | 15.15 | 168  | 422209   | 51.84 | ng    | 97       |
| 55) 4-Nitrophenol              | 14.98 | 139  | 63534    | 44.80 | ng    | # 67     |
| 56) 2,4-Dinitrotoluene         | 15.11 | 165  | 114605   | 56.78 | ng    | # 84     |
| 57) Fluorene                   | 15.79 | 166  | 358764   | 49.33 | ng    | 99       |
| 58) 2,3,4,6-Tetrachlorophenol  | 15.37 | 232  | 76506    | 47.33 | ng    | 98       |
| 59) Diethylphthalate           | 15.55 | 149  | 379922   | 46.47 | ng    | 98       |
| 60) 4-Chlorophenyl-phenylether | 15.78 | 204  | 165223   | 46.12 | ng    | 92       |
| 61) 4-Nitroaniline             | 15.82 | 138  | 94961    | 52.10 | ng    | # 73     |
| 62) Azobenzene                 | 16.07 | 77   | 294823   | 42.08 | ng    | 85       |
| 64) 4,6-Dinitro-2-methylphenol | 15.88 | 198  | 51345    | 63.67 | ng    | # 77     |
| 65) n-Nitrosodiphenylamine     | 16.00 | 169  | 303288   | 48.40 | ng    | 99       |
| 66) 4-Bromophenyl-phenylether  | 16.67 | 248  | 101822   | 45.49 | ng    | 95       |
| 67) Hexachlorobenzene          | 16.80 | 284  | 113555   | 48.06 | ng    | 95       |
| 68) Atrazine                   | 16.94 | 200  | 110507   | 44.66 | ng    | 97       |
| 69) Pentachlorophenol          | 17.14 | 266  | 45967    | 34.07 | ng    | 98       |
| 70) Phenanthrene               | 17.54 | 178  | 557458   | 48.41 | ng    | 99       |
| 71) Anthracene                 | 17.63 | 178  | 564275   | 48.27 | ng    | 97       |
| 72) Carbazole                  | 17.90 | 167  | 520165   | 47.68 | ng    | 99       |
| 73) Di-n-butylphthalate        | 18.43 | 149  | 681874   | 49.13 | ng    | 98       |
| 74) Fluoranthene               | 19.53 | 202  | 633210   | 46.05 | ng    | 96       |
| 76) Benzidine                  | 19.72 | 184  | 290333   | 45.21 | ng    | 99       |
| 77) Pyrene                     | 19.90 | 202  | 619908   | 52.12 | ng    | 99       |
| 79) Butylbenzylphthalate       | 20.76 | 149  | 301436   | 54.60 | ng    | 90       |
| 80) Benzo(a)anthracene         | 21.75 | 228  | 560335   | 47.20 | ng    | 97       |
| 81) 3,3'-Dichlorobenzidine     | 21.66 | 252  | 165319   | 17.59 | ng    | # 98     |
| 82) Chrysene                   | 21.81 | 228  | 554723   | 48.64 | ng    | 99       |
| 83) Bis(2-ethylhexyl)phthalate | 21.62 | 149  | 440585   | 54.56 | ng    | 98       |
| 84) Di-n-octyl phthalate       | 22.85 | 149  | 739415   | 54.66 | ng    | # 85     |
| 85) Indeno(1,2,3-cd)pyrene     | 28.84 | 276  | 642078   | 47.36 | ng    | # 87     |
| 87) Benzo(b)fluoranthene       | 24.01 | 252  | 580115   | 50.77 | ng    | # 97     |
| 88) Benzo(k)fluoranthene       | 24.08 | 252  | 567952   | 50.83 | ng    | # 97     |
| 89) Benzo(a)pyrene             | 24.91 | 252  | 555598   | 50.19 | ng    | 98       |
| 90) Dibenzo(a,h)anthracene     | 28.90 | 278  | 526435   | 47.43 | ng    | # 96     |
| 91) Benzo(g,h,i)perylene       | 30.03 | 276  | 528991   | 48.57 | ng    | 96       |

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

