

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG083116\  
 Data File : BG023932.D  
 Acq On : 31 Aug 2016 19:57  
 Operator : UM/SJ  
 Sample : SSTDICV040  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 ICVBG083116

Quant Time: Sep 01 03:30:30 2016  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG083116.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Aug 31 20:05:47 2016  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.09  | 152  | 32919    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 10.92 | 136  | 162056   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 14.76 | 164  | 122767   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 17.52 | 188  | 330245   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 21.84 | 240  | 356258   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 25.21 | 264  | 338339   | 20.00 | ng    | -0.01    |

## System Monitoring Compounds

|                          |       |     |         |       |    |      |
|--------------------------|-------|-----|---------|-------|----|------|
| 5) 2-Fluorophenol        | 5.64  | 112 | 153528  | 81.88 | ng | 0.00 |
| 7) Phenol-d6             | 7.26  | 99  | 233985  | 81.07 | ng | 0.00 |
| 23) Nitrobenzene-d5      | 9.27  | 82  | 290284  | 79.97 | ng | 0.00 |
| 41) 2,4,6-Tribromophenol | 16.26 | 330 | 178531  | 80.72 | ng | 0.00 |
| 44) 2-Fluorobiphenyl     | 13.37 | 172 | 688313  | 80.38 | ng | 0.00 |
| 78) Terphenyl-d14        | 20.13 | 244 | 1254530 | 80.20 | ng | 0.00 |

## Target Compounds

|                                |       |     |        |       |    | Qvalue |
|--------------------------------|-------|-----|--------|-------|----|--------|
| 2) 1,4-Dioxane                 | 3.49  | 88  | 28427  | 36.76 | ng | 95     |
| 3) Pyridine                    | 3.92  | 79  | 93888  | 40.40 | ng | 93     |
| 4) n-Nitrosodimethylamine      | 3.82  | 42  | 51112  | 41.72 | ng | # 68   |
| 6) Aniline                     | 7.41  | 93  | 158701 | 41.42 | ng | 96     |
| 8) 2-Chlorophenol              | 7.65  | 128 | 91366  | 42.06 | ng | 97     |
| 9) Benzaldehyde                | 7.22  | 77  | 83222  | 40.58 | ng | 94     |
| 10) Phenol                     | 7.29  | 94  | 117820 | 38.80 | ng | 94     |
| 11) bis(2-Chloroethyl)ether    | 7.50  | 93  | 91495  | 38.30 | ng | 87     |
| 12) 1,3-Dichlorobenzene        | 7.97  | 146 | 101743 | 40.02 | ng | 98     |
| 13) 1,4-Dichlorobenzene        | 8.12  | 146 | 108729 | 40.37 | ng | 91     |
| 14) 1,2-Dichlorobenzene        | 8.44  | 146 | 99112  | 39.21 | ng | 95     |
| 15) Benzyl Alcohol             | 8.34  | 79  | 111800 | 43.93 | ng | 96     |
| 16) 2,2'-oxybis(1-Chloropropan | 8.61  | 45  | 121854 | 38.05 | ng | 95     |
| 17) 2-Methylphenol             | 8.55  | 107 | 81090  | 39.64 | ng | 97     |
| 18) Hexachloroethane           | 9.17  | 117 | 41693  | 40.20 | ng | 99     |
| 19) n-Nitroso-di-n-propylamine | 8.90  | 70  | 101608 | 39.85 | ng | # 92   |
| 20) 3+4-Methylphenols          | 8.89  | 107 | 115128 | 40.38 | ng | 99     |
| 22) Acetophenone               | 8.93  | 105 | 164087 | 39.11 | ng | # 96   |
| 24) Nitrobenzene               | 9.31  | 77  | 157252 | 40.29 | ng | 94     |
| 25) Isophorone                 | 9.84  | 82  | 274197 | 38.95 | ng | 98     |
| 26) 2-Nitrophenol              | 10.03 | 139 | 59500  | 40.10 | ng | 92     |
| 27) 2,4-Dimethylphenol         | 10.10 | 122 | 102396 | 40.60 | ng | 86     |
| 28) bis(2-Chloroethoxy)methane | 10.32 | 93  | 133436 | 37.54 | ng | 96     |
| 29) 2,4-Dichlorophenol         | 10.58 | 162 | 109583 | 41.01 | ng | 97     |
| 30) 1,2,4-Trichlorobenzene     | 10.78 | 180 | 112449 | 38.37 | ng | 99     |
| 31) Naphthalene                | 10.97 | 128 | 328464 | 39.34 | ng | 96     |
| 32) Benzoic acid               | 10.27 | 122 | 77267  | 37.73 | ng | 92     |
| 33) 4-Chloroaniline            | 11.09 | 127 | 138489 | 39.72 | ng | 98     |
| 34) Hexachlorobutadiene        | 11.24 | 225 | 91642  | 41.63 | ng | 97     |
| 35) Caprolactam                | 11.91 | 113 | 35788  | 38.00 | ng | 97     |
| 36) 4-Chloro-3-methylphenol    | 12.23 | 107 | 146590 | 41.06 | ng | 97     |
| 37) 2-Methylnaphthalene        | 12.58 | 142 | 251631 | 39.61 | ng | 98     |
| 39) 1,2,4,5-Tetrachlorobenzene | 12.95 | 216 | 167552 | 41.12 | ng | 100    |
| 40) Hexachlorocyclopentadiene  | 12.91 | 237 | 83673  | 38.14 | ng | 96     |

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|--------------------------------|-------|------|----------|-------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 13.20 | 196  | 108000   | 39.72 | ng    | 90       |
| 43) 2,4,5-Trichlorophenol      | 13.29 | 196  | 111907   | 40.71 | ng    | 94       |
| 45) 1,1'-Biphenyl              | 13.58 | 154  | 388342   | 39.33 | ng    | 97       |
| 46) 2-Chloronaphthalene        | 13.63 | 162  | 290016   | 40.01 | ng    | 97       |
| 47) 2-Nitroaniline             | 13.85 | 65   | 122920   | 43.05 | ng    | 99       |
| 48) Acenaphthylene             | 14.48 | 152  | 483274   | 39.99 | ng    | 98       |
| 49) Dimethylphthalate          | 14.21 | 163  | 418534   | 39.76 | ng    | 98       |
| 50) 2,6-Dinitrotoluene         | 14.34 | 165  | 89492    | 40.27 | ng    | 98       |
| 51) Acenaphthene               | 14.82 | 154  | 296746   | 39.72 | ng    | 95       |
| 52) 3-Nitroaniline             | 14.68 | 138  | 88059    | 42.36 | ng    | # 89     |
| 53) 2,4-Dinitrophenol          | 14.90 | 184  | 58921    | 39.83 | ng    | 94       |
| 54) Dibenzofuran               | 15.16 | 168  | 463130   | 39.72 | ng    | # 97     |
| 55) 4-Nitrophenol              | 15.02 | 139  | 65817    | 39.80 | ng    | 88       |
| 56) 2,4-Dinitrotoluene         | 15.14 | 165  | 134566   | 41.20 | ng    | # 87     |
| 57) Fluorene                   | 15.81 | 166  | 409446   | 40.49 | ng    | 93       |
| 58) 2,3,4,6-Tetrachlorophenol  | 15.39 | 232  | 119183   | 42.71 | ng    | 99       |
| 59) Diethylphthalate           | 15.57 | 149  | 446791   | 39.76 | ng    | 97       |
| 60) 4-Chlorophenyl-phenylether | 15.79 | 204  | 216453   | 39.77 | ng    | 95       |
| 61) 4-Nitroaniline             | 15.86 | 138  | 85478    | 40.68 | ng    | 94       |
| 62) Azobenzene                 | 16.09 | 77   | 430675   | 39.57 | ng    | 96       |
| 64) 4,6-Dinitro-2-methylphenol | 15.90 | 198  | 92451    | 40.32 | ng    | 89       |
| 65) n-Nitrosodiphenylamine     | 16.02 | 169  | 377402   | 40.23 | ng    | 98       |
| 66) 4-Bromophenyl-phenylether  | 16.70 | 248  | 165833   | 41.27 | ng    | 96       |
| 67) Hexachlorobenzene          | 16.82 | 284  | 189442   | 40.20 | ng    | 97       |
| 68) Atrazine                   | 16.97 | 200  | 164868   | 40.85 | ng    | 100      |
| 69) Pentachlorophenol          | 17.18 | 266  | 101086   | 40.39 | ng    | 99       |
| 70) Phenanthrene               | 17.56 | 178  | 681285   | 39.66 | ng    | 100      |
| 71) Anthracene                 | 17.66 | 178  | 684117   | 39.04 | ng    | 97       |
| 72) Carbazole                  | 17.94 | 167  | 636590   | 40.03 | ng    | 96       |
| 73) Di-n-butylphthalate        | 18.47 | 149  | 756939   | 39.90 | ng    | 96       |
| 74) Fluoranthene               | 19.58 | 202  | 837998   | 40.51 | ng    | 94       |
| 76) Benzidine                  | 19.76 | 184  | 461723   | 41.85 | ng    | 98       |
| 77) Pyrene                     | 19.94 | 202  | 846409   | 38.63 | ng    | 94       |
| 79) Butylbenzylphthalate       | 20.82 | 149  | 326111   | 38.61 | ng    | 93       |
| 80) Benzo(a)anthracene         | 21.81 | 228  | 776603   | 38.94 | ng    | 93       |
| 81) 3,3'-Dichlorobenzidine     | 21.73 | 252  | 321545   | 40.34 | ng    | # 98     |
| 82) Chrysene                   | 21.89 | 228  | 748063   | 39.41 | ng    | 96       |
| 83) Bis(2-ethylhexyl)phthalate | 21.69 | 149  | 429997   | 37.18 | ng    | 97       |
| 84) Di-n-octyl phthalate       | 22.95 | 149  | 736251   | 38.82 | ng    | 98       |
| 85) Indeno(1,2,3-cd)pyrene     | 29.09 | 276  | 822676   | 39.14 | ng    | # 100    |
| 87) Benzo(b)fluoranthene       | 24.14 | 252  | 775314   | 40.34 | ng    | 99       |
| 88) Benzo(k)fluoranthene       | 24.20 | 252  | 758393   | 39.79 | ng    | 98       |
| 89) Benzo(a)pyrene             | 25.05 | 252  | 726089   | 39.78 | ng    | 96       |
| 90) Dibenzo(a,h)anthracene     | 29.14 | 278  | 712070   | 39.67 | ng    | 97       |
| 91) Benzo(g,h,i)perylene       | 30.30 | 276  | 686515   | 39.77 | ng    | 99       |

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

