

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG032615\  
 Data File : BG016151.D  
 Acq On : 26 Mar 2015 21:32  
 Operator : TP/IZ  
 Sample : PB82338BS  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB82338BS

Quant Time: Mar 27 04:58:08 2015  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG032515.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Mar 27 03:23:37 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.79  | 152  | 51579    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 10.58 | 136  | 220604   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 14.42 | 164  | 134251   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 17.16 | 188  | 292857   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 21.33 | 240  | 337974   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 23.61 | 264  | 323189   | 20.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |         |        |    |      |
|--------------------------|-------|-----|---------|--------|----|------|
| 5) 2-Fluorophenol        | 5.38  | 112 | 398382  | 129.27 | ng | 0.00 |
| 7) Phenol-d6             | 6.96  | 99  | 542662  | 126.50 | ng | 0.00 |
| 23) Nitrobenzene-d5      | 8.95  | 82  | 275696  | 77.49  | ng | 0.00 |
| 41) 2,4,6-Tribromophenol | 15.90 | 330 | 201524  | 130.72 | ng | 0.00 |
| 44) 2-Fluorobiphenyl     | 13.04 | 172 | 676729  | 84.38  | ng | 0.00 |
| 78) Terphenyl-d14        | 19.78 | 244 | 1101203 | 82.06  | ng | 0.00 |

## Target Compounds

|                                |       |     |        |       |    | Qvalue |
|--------------------------------|-------|-----|--------|-------|----|--------|
| 2) 1,4-Dioxane                 | 3.30  | 88  | 39490  | 31.73 | ng | 94     |
| 3) Pyridine                    | 3.69  | 79  | 121517 | 31.23 | ng | 94     |
| 4) n-Nitrosodimethylamine      | 3.61  | 42  | 39686  | 34.67 | ng | 98     |
| 6) Aniline                     | 7.12  | 93  | 153426 | 25.07 | ng | 97     |
| 8) 2-Chlorophenol              | 7.36  | 128 | 151194 | 41.35 | ng | 98     |
| 9) Benzaldehyde                | 6.94  | 77  | 6524   | 3.64  | ng | 92     |
| 10) Phenol                     | 6.99  | 94  | 195535 | 41.48 | ng | 97     |
| 11) bis(2-Chloroethyl)ether    | 7.22  | 93  | 137744 | 36.03 | ng | 98     |
| 12) 1,3-Dichlorobenzene        | 7.68  | 146 | 145494 | 36.82 | ng | 99     |
| 13) 1,4-Dichlorobenzene        | 7.83  | 146 | 147469 | 35.97 | ng | 98     |
| 14) 1,2-Dichlorobenzene        | 8.14  | 146 | 143321 | 36.98 | ng | 100    |
| 15) Benzyl Alcohol             | 8.03  | 79  | 112911 | 35.61 | ng | 98     |
| 16) 2,2'-oxybis(1-Chloropropan | 8.33  | 45  | 139473 | 32.46 | ng | 98     |
| 17) 2-Methylphenol             | 8.23  | 107 | 128539 | 38.66 | ng | 99     |
| 18) Hexachloroethane           | 8.87  | 117 | 52077  | 35.44 | ng | 97     |
| 19) n-Nitroso-di-n-propylamine | 8.60  | 70  | 100865 | 32.10 | ng | 98     |
| 20) 3+4-Methylphenols          | 8.56  | 107 | 172623 | 38.28 | ng | 97     |
| 22) Acetophenone               | 8.61  | 105 | 192937 | 38.88 | ng | 99     |
| 24) Nitrobenzene               | 8.99  | 77  | 141570 | 36.95 | ng | 96     |
| 25) Isophorone                 | 9.51  | 82  | 280528 | 34.75 | ng | 100    |
| 26) 2-Nitrophenol              | 9.70  | 139 | 80551  | 38.82 | ng | 97     |
| 27) 2,4-Dimethylphenol         | 9.75  | 122 | 146904 | 42.22 | ng | 98     |
| 28) bis(2-Chloroethoxy)methane | 10.00 | 93  | 180350 | 38.91 | ng | 99     |
| 29) 2,4-Dichlorophenol         | 10.22 | 162 | 135068 | 44.15 | ng | 98     |
| 30) 1,2,4-Trichlorobenzene     | 10.44 | 180 | 128227 | 38.93 | ng | 99     |
| 31) Naphthalene                | 10.63 | 128 | 441315 | 37.33 | ng | 100    |
| 32) Benzoic acid               | 9.88  | 122 | 78030  | 35.42 | ng | 94     |
| 33) 4-Chloroaniline            | 10.74 | 127 | 77740  | 15.02 | ng | 99     |
| 34) Hexachlorobutadiene        | 10.91 | 225 | 66980  | 37.37 | ng | 100    |
| 35) Caprolactam                | 11.50 | 113 | 63135m | 38.00 | ng |        |
| 36) 4-Chloro-3-methylphenol    | 11.86 | 107 | 146493 | 40.59 | ng | 99     |
| 37) 2-Methylnaphthalene        | 12.24 | 142 | 330563 | 39.17 | ng | 99     |
| 39) 1,2,4,5-Tetrachlorobenzene | 12.61 | 216 | 139233 | 41.18 | ng | 99     |
| 40) Hexachlorocyclopentadiene  | 12.59 | 237 | 168809 | 85.39 | ng | 98     |

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|--------------------------------|-------|------|----------|-------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 12.85 | 196  | 100558   | 41.63 | ng    | 97       |
| 43) 2,4,5-Trichlorophenol      | 12.92 | 196  | 110246   | 41.85 | ng    | 96       |
| 45) 1,1'-Biphenyl              | 13.25 | 154  | 397918   | 40.42 | ng    | 99       |
| 46) 2-Chloronaphthalene        | 13.29 | 162  | 303912   | 39.58 | ng    | 99       |
| 47) 2-Nitroaniline             | 13.50 | 65   | 84827    | 38.46 | ng    | 97       |
| 48) Acenaphthylene             | 14.14 | 152  | 532823   | 37.97 | ng    | 99       |
| 49) Dimethylphthalate          | 13.88 | 163  | 378849   | 40.24 | ng    | 99       |
| 50) 2,6-Dinitrotoluene         | 14.00 | 165  | 92824    | 41.58 | ng    | 98       |
| 51) Acenaphthene               | 14.48 | 154  | 323682   | 38.24 | ng    | 99       |
| 52) 3-Nitroaniline             | 14.32 | 138  | 72582    | 26.55 | ng    | 95       |
| 53) 2,4-Dinitrophenol          | 14.53 | 184  | 92085    | 68.10 | ng    | 95       |
| 54) Dibenzofuran               | 14.81 | 168  | 483775   | 40.91 | ng    | 100      |
| 55) 4-Nitrophenol              | 14.64 | 139  | 194619   | 87.88 | ng    | 98       |
| 56) 2,4-Dinitrotoluene         | 14.78 | 165  | 129905   | 42.46 | ng    | 96       |
| 57) Fluorene                   | 15.46 | 166  | 413768   | 39.21 | ng    | 98       |
| 58) 2,3,4,6-Tetrachlorophenol  | 15.04 | 232  | 100256   | 42.70 | ng    | 98       |
| 59) Diethylphthalate           | 15.24 | 149  | 389736   | 40.26 | ng    | 100      |
| 60) 4-Chlorophenyl-phenylether | 15.46 | 204  | 187628   | 40.42 | ng    | 98       |
| 61) 4-Nitroaniline             | 15.49 | 138  | 125392   | 40.53 | ng    | 96       |
| 62) Azobenzene                 | 15.75 | 77   | 385033   | 38.61 | ng    | 99       |
| 64) 4,6-Dinitro-2-methylphenol | 15.54 | 198  | 72523    | 37.26 | ng    | 97       |
| 65) n-Nitrosodiphenylamine     | 15.67 | 169  | 364924   | 39.08 | ng    | 100      |
| 66) 4-Bromophenyl-phenylether  | 16.35 | 248  | 118673   | 39.49 | ng    | 94       |
| 67) Hexachlorobenzene          | 16.46 | 284  | 133940   | 39.66 | ng    | 98       |
| 68) Atrazine                   | 16.62 | 200  | 126286   | 45.45 | ng    | 99       |
| 69) Pentachlorophenol          | 16.80 | 266  | 170445   | 88.50 | ng    | 99       |
| 70) Phenanthrene               | 17.20 | 178  | 656609   | 39.96 | ng    | 99       |
| 71) Anthracene                 | 17.29 | 178  | 661037   | 40.45 | ng    | 100      |
| 72) Carbazole                  | 17.56 | 167  | 673106   | 41.96 | ng    | 99       |
| 73) Di-n-butylphthalate        | 18.12 | 149  | 762294   | 42.03 | ng    | 100      |
| 74) Fluoranthene               | 19.21 | 202  | 781915   | 42.72 | ng    | 98       |
| 76) Benzidine                  | 19.39 | 184  | 302279   | 34.13 | ng    | 99       |
| 77) Pyrene                     | 19.57 | 202  | 816455   | 39.19 | ng    | 99       |
| 79) Butylbenzylphthalate       | 20.47 | 149  | 354845   | 40.82 | ng    | 96       |
| 80) Benzo(a)anthracene         | 21.31 | 228  | 749476   | 39.10 | ng    | 99       |
| 81) 3,3'-Dichlorobenzidine     | 21.24 | 252  | 162650   | 24.41 | ng    | 99       |
| 82) Chrysene                   | 21.36 | 228  | 709956   | 40.43 | ng    | 100      |
| 83) Bis(2-ethylhexyl)phthalate | 21.24 | 149  | 480234   | 40.23 | ng    | 98       |
| 84) Di-n-octyl phthalate       | 22.13 | 149  | 792559   | 39.38 | ng    | 98       |
| 85) Indeno(1,2,3-cd)pyrene     | 25.96 | 276  | 854163   | 37.83 | ng    | 99       |
| 87) Benzo(b)fluoranthene       | 22.92 | 252  | 742723   | 39.71 | ng    | 99       |
| 88) Benzo(k)fluoranthene       | 22.97 | 252  | 720172   | 39.53 | ng    | 99       |
| 89) Benzo(a)pyrene             | 23.51 | 252  | 707304   | 40.56 | ng    | 99       |
| 90) Dibenzo(a,h)anthracene     | 25.96 | 278  | 712885   | 39.23 | ng    | 99       |
| 91) Benzo(g,h,i)perylene       | 26.67 | 276  | 705391   | 39.16 | ng    | 98       |

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

