

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF111915\  
 Data File : BF083054.D  
 Acq On : 20 Nov 2015 00:34  
 Operator : UM/IZ  
 Sample : PB86723BSD  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB86723BSD

Quant Time: Nov 20 07:26:23 2015  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF111915.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Nov 20 01:33:39 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.70  | 152  | 107157   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.00  | 136  | 407934   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 9.74  | 164  | 218380   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 11.22 | 188  | 418360   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 13.86 | 240  | 377586   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 15.23 | 264  | 343508   | 20.00 | ng    | -0.01    |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 5) 2-Fluorophenol           | 5.30  | 112  | 800650   | 116.05 | ng    | 0.01     |
| 7) Phenol-d6                | 6.36  | 99   | 1203282  | 132.42 | ng    | 0.01     |
| 23) Nitrobenzene-d5         | 7.26  | 82   | 783685   | 87.95  | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol    | 10.53 | 330  | 280605   | 121.02 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 9.07  | 172  | 1189420  | 73.35  | ng    | -0.01    |
| 78) Terphenyl-d14           | 12.81 | 244  | 1290920  | 80.71  | ng    | 0.00     |

| Target Compounds               | R.T. | QIon | Response | Conc  | Units | Qvalue |
|--------------------------------|------|------|----------|-------|-------|--------|
| 2) 1,4-Dioxane                 | 2.22 | 88   | 96377    | 30.81 | ng    | 98     |
| 3) Pyridine                    | 2.89 | 79   | 286846   | 33.83 | ng    | 97     |
| 4) n-Nitrosodimethylamine      | 2.83 | 42   | 152812   | 35.62 | ng    | 99     |
| 6) Aniline                     | 6.36 | 93   | 317096   | 25.51 | ng    | # 86   |
| 8) 2-Chlorophenol              | 6.49 | 128  | 306029   | 39.77 | ng    | 99     |
| 9) Benzaldehyde                | 6.24 | 77   | 209055   | 46.72 | ng    | 98     |
| 10) Phenol                     | 6.37 | 94   | 415876   | 39.28 | ng    | 96     |
| 11) bis(2-Chloroethyl)ether    | 6.44 | 93   | 303549   | 39.46 | ng    | 98     |
| 12) 1,3-Dichlorobenzene        | 6.64 | 146  | 311773m  | 36.20 | ng    |        |
| 13) 1,4-Dichlorobenzene        | 6.72 | 146  | 320258   | 36.71 | ng    | 99     |
| 14) 1,2-Dichlorobenzene        | 6.88 | 146  | 324592   | 40.26 | ng    | 96     |
| 15) Benzyl Alcohol             | 6.85 | 79   | 309212   | 41.36 | ng    | 98     |
| 16) 2,2'-oxybis(1-Chloropropan | 6.99 | 45   | 476121   | 39.70 | ng    | 96     |
| 17) 2-Methylphenol             | 6.98 | 107  | 282600   | 43.98 | ng    | 99     |
| 18) Hexachloroethane           | 7.22 | 117  | 124191   | 38.73 | ng    | # 90   |
| 19) n-Nitroso-di-n-propylamine | 7.13 | 70   | 257357   | 38.76 | ng    | 97     |
| 20) 3+4-Methylphenols          | 7.13 | 107  | 338490m  | 40.41 | ng    |        |
| 22) Acetophenone               | 7.12 | 105  | 441214   | 38.61 | ng    | # 98   |
| 24) Nitrobenzene               | 7.29 | 77   | 371070   | 41.28 | ng    | 94     |
| 25) Isophorone                 | 7.54 | 82   | 680424   | 40.49 | ng    | 97     |
| 26) 2-Nitrophenol              | 7.61 | 139  | 162168   | 41.25 | ng    | 92     |
| 27) 2,4-Dimethylphenol         | 7.66 | 122  | 302864   | 46.62 | ng    | 98     |
| 28) bis(2-Chloroethoxy)methane | 7.76 | 93   | 391305   | 41.56 | ng    | 99     |
| 29) 2,4-Dichlorophenol         | 7.86 | 162  | 289644   | 46.00 | ng    | 97     |
| 30) 1,2,4-Trichlorobenzene     | 7.94 | 180  | 285741   | 40.98 | ng    | 99     |
| 31) Naphthalene                | 8.01 | 128  | 875838   | 41.21 | ng    | 99     |
| 32) Benzoic acid               | 7.79 | 122  | 163547   | 41.39 | ng    | 95     |
| 33) 4-Chloroaniline            | 8.06 | 127  | 173241   | 18.74 | ng    | 94     |
| 34) Hexachlorobutadiene        | 8.14 | 225  | 175007   | 40.16 | ng    | 99     |
| 35) Caprolactam                | 8.43 | 113  | 87920m   | 43.92 | ng    |        |
| 36) 4-Chloro-3-methylphenol    | 8.57 | 107  | 334010   | 45.89 | ng    | 95     |
| 37) 2-Methylnaphthalene        | 8.70 | 142  | 566441   | 40.03 | ng    | 98     |
| 39) 1,2,4,5-Tetrachlorobenzene | 8.88 | 216  | 287326   | 39.90 | ng    | 98     |
| 40) Hexachlorocyclopentadiene  | 8.86 | 237  | 277262   | 82.63 | ng    | 99     |

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|--------------------------------|-------|------|----------|--------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 8.99  | 196  | 205630   | 39.35  | ng    | 100      |
| 43) 2,4,5-Trichlorophenol      | 9.04  | 196  | 206016   | 39.54  | ng    | 97       |
| 45) 1,1'-Biphenyl              | 9.17  | 154  | 763924   | 39.76  | ng    | 98       |
| 46) 2-Chloronaphthalene        | 9.20  | 162  | 611857   | 41.86  | ng    | 97       |
| 47) 2-Nitroaniline             | 9.29  | 65   | 200142   | 36.29  | ng    | 95       |
| 48) Acenaphthylene             | 9.61  | 152  | 975558   | 40.54  | ng    | 100      |
| 49) Dimethylphthalate          | 9.48  | 163  | 755737   | 42.05  | ng    | 99       |
| 50) 2,6-Dinitrotoluene         | 9.54  | 165  | 167643   | 43.27  | ng    | 87       |
| 51) Acenaphthene               | 9.78  | 154  | 606923   | 39.91  | ng    | 99       |
| 52) 3-Nitroaniline             | 9.70  | 138  | 96255    | 21.78  | ng    | 86       |
| 53) 2,4-Dinitrophenol          | 9.81  | 184  | 200940   | 101.77 | ng    | # 85     |
| 54) Dibenzofuran               | 9.95  | 168  | 829733   | 40.72  | ng    | 98       |
| 55) 4-Nitrophenol              | 9.88  | 139  | 228612   | 75.36  | ng    | # 76     |
| 56) 2,4-Dinitrotoluene         | 9.94  | 165  | 226326   | 43.65  | ng    | 99       |
| 57) Fluorene                   | 10.29 | 166  | 698210   | 42.58  | ng    | 99       |
| 58) 2,3,4,6-Tetrachlorophenol  | 10.08 | 232  | 190732   | 45.29  | ng    | 98       |
| 59) Diethylphthalate           | 10.18 | 149  | 716421   | 40.87  | ng    | 99       |
| 60) 4-Chlorophenyl-phenylether | 10.29 | 204  | 307702   | 40.07  | ng    | 94       |
| 61) 4-Nitroaniline             | 10.32 | 138  | 176929   | 39.20  | ng    | 95       |
| 62) Azobenzene                 | 10.44 | 77   | 792303   | 40.36  | ng    | 84       |
| 64) 4,6-Dinitro-2-methylphenol | 10.35 | 198  | 125553   | 47.07  | ng    | 91       |
| 65) n-Nitrosodiphenylamine     | 10.41 | 169  | 578041   | 39.43  | ng    | 100      |
| 66) 4-Bromophenyl-phenylether  | 10.77 | 248  | 190238   | 39.26  | ng    | 92       |
| 67) Hexachlorobenzene          | 10.84 | 284  | 221206   | 41.73  | ng    | 92       |
| 68) Atrazine                   | 10.94 | 200  | 224687   | 48.92  | ng    | 98       |
| 69) Pentachlorophenol          | 11.04 | 266  | 234932   | 86.86  | ng    | 100      |
| 70) Phenanthrene               | 11.24 | 178  | 1021209  | 40.46  | ng    | 100      |
| 71) Anthracene                 | 11.30 | 178  | 1066210  | 41.93  | ng    | 99       |
| 72) Carbazole                  | 11.46 | 167  | 1016583  | 45.74  | ng    | 99       |
| 73) Di-n-butylphthalate        | 11.80 | 149  | 1195645  | 42.66  | ng    | 99       |
| 74) Fluoranthene               | 12.43 | 202  | 1101734  | 41.88  | ng    | 99       |
| 76) Benzidine                  | 12.56 | 184  | 490504   | 39.70  | ng    | 98       |
| 77) Pyrene                     | 12.66 | 202  | 1196952  | 45.03  | ng    | 100      |
| 79) Butylbenzylphthalate       | 13.29 | 149  | 475927   | 40.52  | ng    | 97       |
| 80) Benzo(a)anthracene         | 13.85 | 228  | 1046320  | 43.60  | ng    | 100      |
| 81) 3,3'-Dichlorobenzidine     | 13.81 | 252  | 224405   | 27.78  | ng    | # 95     |
| 82) Chrysene                   | 13.88 | 228  | 934009   | 42.45  | ng    | 99       |
| 83) Bis(2-ethylhexyl)phthalate | 13.86 | 149  | 689805   | 44.91  | ng    | 100      |
| 84) Di-n-octyl phthalate       | 14.47 | 149  | 1091352  | 43.62  | ng    | 98       |
| 85) Indeno(1,2,3-cd)pyrene     | 16.53 | 276  | 819699   | 45.79  | ng    | 100      |
| 87) Benzo(b)fluoranthene       | 14.85 | 252  | 870443m  | 36.24  | ng    |          |
| 88) Benzo(k)fluoranthene       | 14.88 | 252  | 815134m  | 44.55  | ng    |          |
| 89) Benzo(a)pyrene             | 15.19 | 252  | 824264   | 42.76  | ng    | 99       |
| 90) Dibenzo(a,h)anthracene     | 16.56 | 278  | 687888   | 41.01  | ng    | 98       |
| 91) Benzo(g,h,i)perylene       | 16.92 | 276  | 673096   | 41.14  | ng    | # 96     |

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

