

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF031615\  
 Data File : BF077751.D  
 Acq On : 16 Mar 2015 14:04  
 Operator : TP/IZ  
 Sample : PB82101BS  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB82101BS

Quant Time: Mar 17 01:17:44 2015  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF031115.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Mar 17 00:51:27 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.17  | 152  | 53036    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.75  | 136  | 215404   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 10.91 | 164  | 111200   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 12.75 | 188  | 222405   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 16.04 | 240  | 223449   | 20.00 | ng    | 0.01     |
| 86) Perylene-d12          | 17.79 | 264  | 212602   | 20.00 | ng    | 0.03     |

## System Monitoring Compounds

|                          |       |     |        |        |    |       |
|--------------------------|-------|-----|--------|--------|----|-------|
| 5) 2-Fluorophenol        | 5.46  | 112 | 317154 | 104.38 | ng | 0.00  |
| 7) Phenol-d6             | 6.74  | 99  | 395886 | 105.46 | ng | 0.00  |
| 23) Nitrobenzene-d5      | 7.87  | 82  | 234663 | 71.41  | ng | 0.00  |
| 41) 2,4,6-Tribromophenol | 11.89 | 330 | 108658 | 102.13 | ng | 0.00  |
| 44) 2-Fluorobiphenyl     | 10.09 | 172 | 513021 | 67.80  | ng | 0.00  |
| 78) Terphenyl-d14        | 14.74 | 244 | 631575 | 69.04  | ng | -0.01 |

## Target Compounds

|                                |      |     |        |       |    | Qvalue |
|--------------------------------|------|-----|--------|-------|----|--------|
| 2) 1,4-Dioxane                 | 2.09 | 88  | 33800  | 24.50 | ng | # 100  |
| 3) Pyridine                    | 2.78 | 79  | 89220  | 24.07 | ng | 99     |
| 4) n-Nitrosodimethylamine      | 2.70 | 42  | 45722  | 28.33 | ng | 93     |
| 6) Aniline                     | 6.76 | 93  | 77252  | 14.39 | ng | # 32   |
| 8) 2-Chlorophenol              | 6.90 | 128 | 120014 | 33.18 | ng | 95     |
| 9) Benzaldehyde                | 6.62 | 77  | 10565  | 6.87  | ng | 94     |
| 10) Phenol                     | 6.76 | 94  | 138845 | 31.29 | ng | 89     |
| 11) bis(2-Chloroethyl)ether    | 6.86 | 93  | 111507 | 33.55 | ng | 94     |
| 12) 1,3-Dichlorobenzene        | 7.09 | 146 | 123187 | 30.62 | ng | 98     |
| 13) 1,4-Dichlorobenzene        | 7.20 | 146 | 125413 | 30.01 | ng | 98     |
| 14) 1,2-Dichlorobenzene        | 7.38 | 146 | 121732 | 31.77 | ng | 99     |
| 15) Benzyl Alcohol             | 7.36 | 79  | 93087  | 31.77 | ng | 96     |
| 16) 2,2'-oxybis(1-Chloropropan | 7.54 | 45  | 149748 | 33.43 | ng | 99     |
| 17) 2-Methylphenol             | 7.50 | 107 | 96053  | 32.62 | ng | 95     |
| 18) Hexachloroethane           | 7.79 | 117 | 42538  | 31.03 | ng | 91     |
| 19) n-Nitroso-di-n-propylamine | 7.69 | 70  | 77693  | 29.92 | ng | 94     |
| 20) 3+4-Methylphenols          | 7.70 | 107 | 125859 | 32.58 | ng | 95     |
| 22) Acetophenone               | 7.69 | 105 | 163538 | 34.30 | ng | # 92   |
| 24) Nitrobenzene               | 7.89 | 77  | 117805 | 33.28 | ng | # 82   |
| 25) Isophorone                 | 8.19 | 82  | 219739 | 33.11 | ng | 98     |
| 26) 2-Nitrophenol              | 8.28 | 139 | 56537  | 32.62 | ng | # 90   |
| 27) 2,4-Dimethylphenol         | 8.35 | 122 | 111452 | 35.30 | ng | 96     |
| 28) bis(2-Chloroethoxy)methane | 8.48 | 93  | 140596 | 34.90 | ng | 98     |
| 29) 2,4-Dichlorophenol         | 8.58 | 162 | 104839 | 34.83 | ng | 96     |
| 30) 1,2,4-Trichlorobenzene     | 8.68 | 180 | 107116 | 31.81 | ng | 99     |
| 31) Naphthalene                | 8.77 | 128 | 348727 | 31.52 | ng | 100    |
| 32) Benzoic acid               | 8.46 | 122 | 43813  | 26.37 | ng | 88     |
| 33) 4-Chloroaniline            | 8.85 | 127 | 86188  | 19.20 | ng | 98     |
| 34) Hexachlorobutadiene        | 8.93 | 225 | 59179  | 31.01 | ng | 97     |
| 35) Caprolactam                | 9.28 | 113 | 31938  | 36.31 | ng | 95     |
| 36) 4-Chloro-3-methylphenol    | 9.46 | 107 | 109815 | 36.26 | ng | 89     |
| 37) 2-Methylnaphthalene        | 9.63 | 142 | 252470 | 33.97 | ng | 99     |
| 39) 1,2,4,5-Tetrachlorobenzene | 9.84 | 216 | 105952 | 31.95 | ng | # 100  |
| 40) Hexachlorocyclopentadiene  | 9.82 | 237 | 100260 | 61.16 | ng | 99     |

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|--------------------------------|-------|------|----------|-------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 9.98  | 196  | 73455    | 31.97 | ng    | 99       |
| 43) 2,4,5-Trichlorophenol      | 10.03 | 196  | 78723    | 31.72 | ng #  | 92       |
| 45) 1,1'-Biphenyl              | 10.21 | 154  | 295994   | 33.30 | ng    | 99       |
| 46) 2-Chloronaphthalene        | 10.24 | 162  | 232455   | 32.18 | ng    | 99       |
| 47) 2-Nitroaniline             | 10.36 | 65   | 61999    | 34.56 | ng    | 91       |
| 48) Acenaphthylene             | 10.74 | 152  | 375065   | 31.22 | ng    | 100      |
| 49) Dimethylphthalate          | 10.60 | 163  | 283350   | 34.36 | ng    | 99       |
| 50) 2,6-Dinitrotoluene         | 10.67 | 165  | 58134    | 34.00 | ng    | 96       |
| 51) Acenaphthene               | 10.96 | 154  | 218946   | 31.79 | ng    | 99       |
| 52) 3-Nitroaniline             | 10.88 | 138  | 50999    | 25.69 | ng    | 100      |
| 53) 2,4-Dinitrophenol          | 11.01 | 184  | 34575    | 57.56 | ng #  | 65       |
| 54) Dibenzofuran               | 11.17 | 168  | 348853   | 34.15 | ng    | 100      |
| 55) 4-Nitrophenol              | 11.09 | 139  | 95661    | 65.04 | ng    | 82       |
| 56) 2,4-Dinitrotoluene         | 11.16 | 165  | 81719    | 36.66 | ng #  | 97       |
| 57) Fluorene                   | 11.60 | 166  | 279346   | 32.93 | ng    | 99       |
| 58) 2,3,4,6-Tetrachlorophenol  | 11.32 | 232  | 62440    | 32.67 | ng #  | 100      |
| 59) Diethylphthalate           | 11.48 | 149  | 276551   | 34.41 | ng    | 99       |
| 60) 4-Chlorophenyl-phenylether | 11.61 | 204  | 127794   | 33.01 | ng    | 95       |
| 61) 4-Nitroaniline             | 11.63 | 138  | 66372    | 33.54 | ng    | 97       |
| 62) Azobenzene                 | 11.80 | 77   | 262832   | 34.22 | ng    | 97       |
| 64) 4,6-Dinitro-2-methylphenol | 11.67 | 198  | 28288    | 28.82 | ng    | 97       |
| 65) n-Nitrosodiphenylamine     | 11.76 | 169  | 243751   | 32.91 | ng    | 100      |
| 66) 4-Bromophenyl-phenylether  | 12.21 | 248  | 77901    | 32.82 | ng    | 94       |
| 67) Hexachlorobenzene          | 12.27 | 284  | 84646    | 32.46 | ng #  | 92       |
| 68) Atrazine                   | 12.43 | 200  | 78281    | 37.72 | ng    | 100      |
| 69) Pentachlorophenol          | 12.52 | 266  | 79246    | 58.86 | ng    | 97       |
| 70) Phenanthrene               | 12.79 | 178  | 415197   | 32.52 | ng    | 100      |
| 71) Anthracene                 | 12.84 | 178  | 411156   | 32.59 | ng    | 99       |
| 72) Carbazole                  | 13.05 | 167  | 393784   | 32.82 | ng    | 99       |
| 73) Di-n-butylphthalate        | 13.51 | 149  | 456185   | 33.91 | ng    | 100      |
| 74) Fluoranthene               | 14.25 | 202  | 448143   | 31.82 | ng    | 93       |
| 76) Benzidine                  | 14.44 | 184  | 145854   | 26.22 | ng    | 97       |
| 77) Pyrene                     | 14.53 | 202  | 470398   | 33.48 | ng    | 99       |
| 79) Butylbenzylphthalate       | 15.37 | 149  | 196923   | 35.55 | ng    | 98       |
| 80) Benzo(a)anthracene         | 16.02 | 228  | 439415   | 33.17 | ng    | 100      |
| 81) 3,3'-Dichlorobenzidine     | 16.01 | 252  | 91522    | 20.95 | ng #  | 98       |
| 82) Chrysene                   | 16.07 | 228  | 418496   | 35.14 | ng    | 99       |
| 83) Bis(2-ethylhexyl)phthalate | 16.09 | 149  | 299052   | 35.64 | ng #  | 95       |
| 84) Di-n-octyl phthalate       | 16.90 | 149  | 492701   | 34.34 | ng    | 100      |
| 85) Indeno(1,2,3-cd)pyrene     | 19.20 | 276  | 456114m  | 30.68 | ng    |          |
| 87) Benzo(b)fluoranthene       | 17.35 | 252  | 416279   | 29.99 | ng #  | 96       |
| 88) Benzo(k)fluoranthene       | 17.38 | 252  | 413935   | 38.18 | ng    | 98       |
| 89) Benzo(a)pyrene             | 17.73 | 252  | 406623   | 35.11 | ng    | 99       |
| 90) Dibenzo(a,h)anthracene     | 19.22 | 278  | 369722   | 32.19 | ng    | 97       |
| 91) Benzo(g,h,i)perylene       | 19.61 | 276  | 366963   | 31.38 | ng    | 98       |

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

