

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF060415\  
 Data File : BF079707.D  
 Acq On : 4 Jun 2015 17:40  
 Operator : TP/IZ  
 Sample : SSTDICV040  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 ICVBF060415

Quant Time: Jun 05 19:42:30 2015  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF060415.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jun 05 19:31:59 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.51  | 152  | 129310   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.80  | 136  | 500186   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 10.58 | 164  | 260032   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 12.09 | 188  | 519168   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 15.04 | 240  | 554844   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 16.98 | 264  | 537210   | 20.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |         |       |    |      |
|--------------------------|-------|-----|---------|-------|----|------|
| 5) 2-Fluorophenol        | 6.12  | 112 | 586963  | 77.83 | ng | 0.00 |
| 7) Phenol-d6             | 7.10  | 99  | 782275  | 79.69 | ng | 0.00 |
| 23) Nitrobenzene-d5      | 8.07  | 82  | 727324  | 88.53 | ng | 0.00 |
| 41) 2,4,6-Tribromophenol | 11.37 | 330 | 193646  | 82.93 | ng | 0.00 |
| 44) 2-Fluorobiphenyl     | 9.87  | 172 | 1330355 | 74.07 | ng | 0.00 |
| 78) Terphenyl-d14        | 13.77 | 244 | 1873271 | 79.54 | ng | 0.00 |

## Target Compounds

|                                |      |     |         |       |    | Qvalue |
|--------------------------------|------|-----|---------|-------|----|--------|
| 2) 1,4-Dioxane                 | 3.61 | 88  | 137987  | 40.50 | ng | 99     |
| 3) Pyridine                    | 4.31 | 79  | 368395  | 38.62 | ng | 96     |
| 4) n-Nitrosodimethylamine      | 4.23 | 42  | 169872  | 38.05 | ng | 92     |
| 6) Aniline                     | 7.16 | 93  | 564320  | 41.29 | ng | 100    |
| 8) 2-Chlorophenol              | 7.29 | 128 | 351293  | 40.63 | ng | 99     |
| 9) Benzaldehyde                | 7.05 | 77  | 251305  | 40.71 | ng | 100    |
| 10) Phenol                     | 7.12 | 94  | 414256  | 40.71 | ng | 99     |
| 11) bis(2-Chloroethyl)ether    | 7.22 | 93  | 347603  | 41.13 | ng | 99     |
| 12) 1,3-Dichlorobenzene        | 7.45 | 146 | 383266  | 38.97 | ng | 99     |
| 13) 1,4-Dichlorobenzene        | 7.53 | 146 | 417532  | 39.77 | ng | 99     |
| 14) 1,2-Dichlorobenzene        | 7.69 | 146 | 365851  | 39.50 | ng | 99     |
| 15) Benzyl Alcohol             | 7.63 | 79  | 306449  | 41.37 | ng | 99     |
| 16) 2,2'-oxybis(1-Chloropropan | 7.77 | 45  | 548849  | 39.24 | ng | 99     |
| 17) 2-Methylphenol             | 7.74 | 107 | 286475  | 40.52 | ng | 98     |
| 18) Hexachloroethane           | 8.03 | 117 | 137246  | 41.61 | ng | 97     |
| 19) n-Nitroso-di-n-propylamine | 7.90 | 70  | 260125  | 38.30 | ng | 99     |
| 20) 3+4-Methylphenols          | 7.88 | 107 | 394229  | 40.83 | ng | 99     |
| 22) Acetophenone               | 7.91 | 105 | 514680  | 42.25 | ng | 99     |
| 24) Nitrobenzene               | 8.08 | 77  | 341963  | 40.26 | ng | 99     |
| 25) Isophorone                 | 8.32 | 82  | 700715  | 38.84 | ng | 100    |
| 26) 2-Nitrophenol              | 8.41 | 139 | 137787  | 43.62 | ng | 99     |
| 27) 2,4-Dimethylphenol         | 8.42 | 122 | 329008  | 40.17 | ng | 98     |
| 28) bis(2-Chloroethoxy)methane | 8.51 | 93  | 385140  | 38.28 | ng | 99     |
| 29) 2,4-Dichlorophenol         | 8.64 | 162 | 284487  | 40.43 | ng | 99     |
| 30) 1,2,4-Trichlorobenzene     | 8.74 | 180 | 341824  | 40.40 | ng | 98     |
| 31) Naphthalene                | 8.82 | 128 | 1037488 | 37.65 | ng | 100    |
| 32) Benzoic acid               | 8.49 | 122 | 133171  | 43.89 | ng | 95     |
| 33) 4-Chloroaniline            | 8.86 | 127 | 444467m | 40.60 | ng |        |
| 34) Hexachlorobutadiene        | 8.94 | 225 | 196616  | 39.99 | ng | 97     |
| 35) Caprolactam                | 9.21 | 113 | 95636   | 44.84 | ng | # 73   |
| 36) 4-Chloro-3-methylphenol    | 9.31 | 107 | 296792  | 40.14 | ng | # 77   |
| 37) 2-Methylnaphthalene        | 9.52 | 142 | 723487  | 38.91 | ng | 99     |
| 39) 1,2,4,5-Tetrachlorobenzene | 9.69 | 216 | 336879  | 40.11 | ng | 99     |
| 40) Hexachlorocyclopentadiene  | 9.68 | 237 | 177165  | 43.92 | ng | 99     |

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|--------------------------------|-------|------|----------|-------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 9.79  | 196  | 212381   | 40.96 | ng    | 97       |
| 43) 2,4,5-Trichlorophenol      | 9.83  | 196  | 245848   | 41.38 | ng    | 98       |
| 45) 1,1'-Biphenyl              | 9.98  | 154  | 801787   | 38.52 | ng    | 94       |
| 46) 2-Chloronaphthalene        | 10.01 | 162  | 655178   | 38.53 | ng    | 99       |
| 47) 2-Nitroaniline             | 10.09 | 65   | 162800   | 43.88 | ng    | 97       |
| 48) Acenaphthylene             | 10.43 | 152  | 1134793  | 39.01 | ng    | 98       |
| 49) Dimethylphthalate          | 10.26 | 163  | 761624   | 38.02 | ng    | 99       |
| 50) 2,6-Dinitrotoluene         | 10.33 | 165  | 156431   | 41.77 | ng    | 97       |
| 51) Acenaphthene               | 10.62 | 154  | 682988   | 39.89 | ng    | 98       |
| 52) 3-Nitroaniline             | 10.50 | 138  | 172491   | 42.68 | ng    | 100      |
| 53) 2,4-Dinitrophenol          | 10.60 | 184  | 36762    | 46.01 | ng    | 93       |
| 54) Dibenzofuran               | 10.79 | 168  | 972895   | 39.64 | ng    | 98       |
| 55) 4-Nitrophenol              | 10.64 | 139  | 155445   | 45.60 | ng    | 96       |
| 56) 2,4-Dinitrotoluene         | 10.74 | 165  | 197513   | 46.54 | ng    | 99       |
| 57) Fluorene                   | 11.13 | 166  | 812751   | 38.77 | ng    | 99       |
| 58) 2,3,4,6-Tetrachlorophenol  | 10.89 | 232  | 180448   | 40.97 | ng    | 97       |
| 59) Diethylphthalate           | 10.97 | 149  | 804505   | 39.90 | ng    | 99       |
| 60) 4-Chlorophenyl-phenylether | 11.11 | 204  | 359167   | 38.91 | ng    | 99       |
| 61) 4-Nitroaniline             | 11.12 | 138  | 172190   | 40.74 | ng    | 100      |
| 62) Azobenzene                 | 11.27 | 77   | 761823   | 39.70 | ng    | 99       |
| 64) 4,6-Dinitro-2-methylphenol | 11.15 | 198  | 68403    | 48.09 | ng    | 95       |
| 65) n-Nitrosodiphenylamine     | 11.22 | 169  | 658606   | 40.33 | ng    | 100      |
| 66) 4-Bromophenyl-phenylether  | 11.61 | 248  | 241365   | 43.91 | ng    | # 89     |
| 67) Hexachlorobenzene          | 11.69 | 284  | 253308   | 40.82 | ng    | # 71     |
| 68) Atrazine                   | 11.74 | 200  | 214788   | 39.09 | ng    | 94       |
| 69) Pentachlorophenol          | 11.87 | 266  | 120755   | 40.69 | ng    | 99       |
| 70) Phenanthrene               | 12.11 | 178  | 1243877  | 41.19 | ng    | 100      |
| 71) Anthracene                 | 12.17 | 178  | 1202936  | 40.25 | ng    | 99       |
| 72) Carbazole                  | 12.31 | 167  | 1109203  | 39.82 | ng    | # 97     |
| 73) Di-n-butylphthalate        | 12.63 | 149  | 1285524  | 38.81 | ng    | # 83     |
| 74) Fluoranthene               | 13.37 | 202  | 1347103  | 41.12 | ng    | 99       |
| 76) Benzidine                  | 13.47 | 184  | 733618   | 43.93 | ng    | 99       |
| 77) Pyrene                     | 13.62 | 202  | 1354397  | 39.29 | ng    | 99       |
| 79) Butylbenzylphthalate       | 14.30 | 149  | 563457   | 42.39 | ng    | 99       |
| 80) Benzo(a)anthracene         | 15.03 | 228  | 1323918  | 39.03 | ng    | 99       |
| 81) 3,3'-Dichlorobenzidine     | 14.96 | 252  | 468376   | 40.14 | ng    | # 96     |
| 82) Chrysene                   | 15.07 | 228  | 1222229  | 38.50 | ng    | 99       |
| 83) Bis(2-ethylhexyl)phthalate | 14.98 | 149  | 863742   | 41.41 | ng    | # 98     |
| 84) Di-n-octyl phthalate       | 15.78 | 149  | 1430460  | 40.87 | ng    | 99       |
| 85) Indeno(1,2,3-cd)pyrene     | 19.01 | 276  | 1451029  | 40.51 | ng    | 99       |
| 87) Benzo(b)fluoranthene       | 16.41 | 252  | 1432770  | 41.35 | ng    | 98       |
| 88) Benzo(k)fluoranthene       | 16.45 | 252  | 1171255  | 35.42 | ng    | 98       |
| 89) Benzo(a)pyrene             | 16.90 | 252  | 1228837  | 38.81 | ng    | # 96     |
| 90) Dibenzo(a,h)anthracene     | 19.03 | 278  | 1150134  | 39.32 | ng    | 99       |
| 91) Benzo(g,h,i)perylene       | 19.61 | 276  | 1178380  | 39.40 | ng    | 98       |

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

