

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF080315\  
 Data File : BF080825.D  
 Acq On : 4 Aug 2015 3:42  
 Operator : TP  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDCCC040EC

Manual Integrations  
 APPROVED

MMDadoda  
 8/5/2015 2:28:54 PM

Quant Time: Aug 04 15:24:31 2015  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF080315.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Aug 04 14:50:50 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.83  | 152  | 179096   | 20.00 | ng    | -0.01    |
| 21) Naphthalene-d8        | 8.12  | 136  | 685841   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 9.87  | 164  | 318724   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 11.34 | 188  | 530109   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 13.99 | 240  | 319992   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 15.39 | 264  | 293344   | 20.00 | ng    | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 5) 2-Fluorophenol           | 5.44  | 112  | 931738   | 86.37 | ng    | 0.00     |
| 7) Phenol-d6                | 6.46  | 99   | 1116319  | 76.97 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.40  | 82   | 1012406  | 72.49 | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 10.66 | 330  | 276426   | 90.16 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 9.20  | 172  | 1579632  | 74.57 | ng    | 0.00     |
| 78) Terphenyl-d14           | 12.93 | 244  | 1343598  | 84.07 | ng    | 0.00     |

| Target Compounds               | R.T. | QIon | Response | Conc  | Units | Qvalue |
|--------------------------------|------|------|----------|-------|-------|--------|
| 2) 1,4-Dioxane                 | 2.48 | 88   | 202416   | 36.63 | ng    | 96     |
| 3) Pyridine                    | 3.20 | 79   | 605242   | 41.58 | ng    | 97     |
| 4) n-Nitrosodimethylamine      | 3.15 | 42   | 320277   | 39.62 | ng    | 96     |
| 6) Aniline                     | 6.50 | 93   | 798329   | 38.49 | ng    | 99     |
| 8) 2-Chlorophenol              | 6.62 | 128  | 454540   | 38.26 | ng    | 99     |
| 9) Benzaldehyde                | 6.38 | 77   | 333843   | 38.67 | ng    | 99     |
| 10) Phenol                     | 6.48 | 94   | 570847   | 33.82 | ng    | 99     |
| 11) bis(2-Chloroethyl)ether    | 6.58 | 93   | 501584   | 41.35 | ng    | 99     |
| 12) 1,3-Dichlorobenzene        | 6.77 | 146  | 504896   | 37.83 | ng    | 99     |
| 13) 1,4-Dichlorobenzene        | 6.85 | 146  | 533796   | 40.11 | ng    | 99     |
| 14) 1,2-Dichlorobenzene        | 7.00 | 146  | 449861   | 36.51 | ng    | # 88   |
| 15) Benzyl Alcohol             | 6.98 | 79   | 372174   | 37.66 | ng    | 98     |
| 16) 2,2'-oxybis(1-Chloropropan | 7.12 | 45   | 922716   | 38.47 | ng    | 100    |
| 17) 2-Methylphenol             | 7.09 | 107  | 422934   | 40.34 | ng    | 99     |
| 18) Hexachloroethane           | 7.34 | 117  | 192567   | 39.27 | ng    | 96     |
| 19) n-Nitroso-di-n-propylamine | 7.25 | 70   | 347035   | 37.03 | ng    | 99     |
| 20) 3+4-Methylphenols          | 7.24 | 107  | 447742   | 36.76 | ng    | 98     |
| 22) Acetophenone               | 7.25 | 105  | 673241   | 40.27 | ng    | 100    |
| 24) Nitrobenzene               | 7.42 | 77   | 558513   | 39.36 | ng    | 99     |
| 25) Isophorone                 | 7.66 | 82   | 988215   | 39.60 | ng    | 100    |
| 26) 2-Nitrophenol              | 7.73 | 139  | 230677   | 38.02 | ng    | 99     |
| 27) 2,4-Dimethylphenol         | 7.78 | 122  | 466081   | 40.33 | ng    | 100    |
| 28) bis(2-Chloroethoxy)methane | 7.87 | 93   | 534489   | 35.49 | ng    | 99     |
| 29) 2,4-Dichlorophenol         | 7.97 | 162  | 359719   | 37.09 | ng    | 99     |
| 30) 1,2,4-Trichlorobenzene     | 8.06 | 180  | 416189   | 39.44 | ng    | 98     |
| 31) Naphthalene                | 8.14 | 128  | 1348222  | 39.96 | ng    | 100    |
| 32) Benzoic acid               | 7.89 | 122  | 290206   | 41.54 | ng    | 97     |
| 33) 4-Chloroaniline            | 8.19 | 127  | 563276   | 39.63 | ng    | 99     |
| 34) Hexachlorobutadiene        | 8.26 | 225  | 242363   | 37.42 | ng    | 98     |
| 35) Caprolactam                | 8.57 | 113  | 116869   | 43.36 | ng    | 90     |
| 36) 4-Chloro-3-methylphenol    | 8.67 | 107  | 410010   | 39.37 | ng    | 98     |
| 37) 2-Methylnaphthalene        | 8.83 | 142  | 841679   | 39.80 | ng    | 98     |
| 39) 1,2,4,5-Tetrachlorobenzene | 9.00 | 216  | 381099   | 37.53 | ng    | 99     |
| 40) Hexachlorocyclopentadiene  | 8.99 | 237  | 237053   | 38.41 | ng    | 99     |

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| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 9.10  | 196  | 253279   | 35.23 | ng    | 98       |
| 43) 2,4,5-Trichlorophenol      | 9.15  | 196  | 285131   | 40.44 | ng #  | 81       |
| 45) 1,1'-Biphenyl              | 9.30  | 154  | 965761   | 40.03 | ng    | 98       |
| 46) 2-Chloronaphthalene        | 9.32  | 162  | 799134   | 40.03 | ng    | 98       |
| 47) 2-Nitroaniline             | 9.41  | 65   | 329878   | 44.65 | ng    | 96       |
| 48) Acenaphthylene             | 9.73  | 152  | 1240952  | 39.70 | ng    | 100      |
| 49) Dimethylphthalate          | 9.60  | 163  | 772341   | 36.34 | ng    | 99       |
| 50) 2,6-Dinitrotoluene         | 9.65  | 165  | 169129   | 36.71 | ng    | 97       |
| 51) Acenaphthene               | 9.90  | 154  | 760995   | 40.35 | ng    | 99       |
| 52) 3-Nitroaniline             | 9.82  | 138  | 221879   | 41.13 | ng    | 93       |
| 53) 2,4-Dinitrophenol          | 9.93  | 184  | 107464   | 42.82 | ng    | 98       |
| 54) Dibenzofuran               | 10.08 | 168  | 987581   | 39.72 | ng    | 99       |
| 55) 4-Nitrophenol              | 9.97  | 139  | 139947   | 36.97 | ng    | 93       |
| 56) 2,4-Dinitrotoluene         | 10.05 | 165  | 211689   | 36.48 | ng    | 98       |
| 57) Fluorene                   | 10.42 | 166  | 811932   | 42.03 | ng    | 99       |
| 58) 2,3,4,6-Tetrachlorophenol  | 10.19 | 232  | 197322m  | 39.07 | ng    |          |
| 59) Diethylphthalate           | 10.29 | 149  | 775847   | 38.00 | ng    | 100      |
| 60) 4-Chlorophenyl-phenylether | 10.41 | 204  | 343239   | 35.95 | ng    | 99       |
| 61) 4-Nitroaniline             | 10.43 | 138  | 177436   | 36.18 | ng    | 93       |
| 62) Azobenzene                 | 10.57 | 77   | 909437   | 38.48 | ng    | 98       |
| 64) 4,6-Dinitro-2-methylphenol | 10.46 | 198  | 141960   | 41.26 | ng    | 88       |
| 65) n-Nitrosodiphenylamine     | 10.53 | 169  | 742158   | 40.15 | ng    | 99       |
| 66) 4-Bromophenyl-phenylether  | 10.90 | 248  | 220519   | 37.92 | ng    | 99       |
| 67) Hexachlorobenzene          | 10.97 | 284  | 256928   | 39.15 | ng    | 100      |
| 68) Atrazine                   | 11.06 | 200  | 197358   | 46.57 | ng    | 99       |
| 69) Pentachlorophenol          | 11.15 | 266  | 146077   | 41.38 | ng    | 94       |
| 70) Phenanthrene               | 11.38 | 178  | 1080106  | 39.15 | ng    | 99       |
| 71) Anthracene                 | 11.42 | 178  | 987250   | 36.08 | ng    | 100      |
| 72) Carbazole                  | 11.58 | 167  | 930902   | 39.77 | ng    | 100      |
| 73) Di-n-butylphthalate        | 11.92 | 149  | 1093173  | 38.58 | ng    | 100      |
| 74) Fluoranthene               | 12.56 | 202  | 978183   | 37.35 | ng    | 98       |
| 76) Benzidine                  | 12.68 | 184  | 437363   | 46.34 | ng    | 99       |
| 77) Pyrene                     | 12.79 | 202  | 1001837  | 42.19 | ng    | 99       |
| 79) Butylbenzylphthalate       | 13.41 | 149  | 399401   | 42.85 | ng    | 92       |
| 80) Benzo(a)anthracene         | 13.97 | 228  | 760794   | 41.96 | ng    | 98       |
| 81) 3,3'-Dichlorobenzidine     | 13.94 | 252  | 281927   | 43.69 | ng    | 98       |
| 82) Chrysene                   | 14.01 | 228  | 781939   | 44.10 | ng    | 99       |
| 83) Bis(2-ethylhexyl)phthalate | 13.97 | 149  | 514256   | 44.72 | ng    | 99       |
| 84) Di-n-octyl phthalate       | 14.58 | 149  | 760233   | 41.81 | ng    | 100      |
| 85) Indeno(1,2,3-cd)pyrene     | 16.76 | 276  | 781452   | 48.19 | ng    | 99       |
| 87) Benzo(b)fluoranthene       | 14.99 | 252  | 627641   | 36.52 | ng    | 99       |
| 88) Benzo(k)fluoranthene       | 15.01 | 252  | 551954m  | 36.80 | ng    |          |
| 89) Benzo(a)pyrene             | 15.33 | 252  | 584309   | 39.84 | ng    | 97       |
| 90) Dibenzo(a,h)anthracene     | 16.79 | 278  | 647308   | 45.49 | ng    | 100      |
| 91) Benzo(g,h,i)perylene       | 17.19 | 276  | 671102   | 45.12 | ng    | 100      |

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

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