

Data Path : Z:\HPCHEM1\BNA F\DATA\BF060315\  
 Data File : BF079666.D  
 Acq On : 3 Jun 2015 17:03  
 Operator : TP/IZ  
 Sample : PB83713BS  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB83713BS

Manual Integrations  
 APPROVED

apatel  
 6/5/2015 8:06:03 AM

Quant Time: Jun 05 11:27:43 2015  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060315.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jun 05 10:52:02 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.52  | 152  | 96501    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.81  | 136  | 361356   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 10.59 | 164  | 188663   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 12.11 | 188  | 359102   | 20.00 | ng    | -0.02    |
| 75) Chrysene-d12          | 15.18 | 240  | 371061   | 20.00 | ng    | -0.21    |
| 86) Perylene-d12          | 17.18 | 264  | 348772   | 20.00 | ng    | -0.31    |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 5) 2-Fluorophenol           | 6.14  | 112  | 411276   | 77.41 | ng    | 0.00     |
| 7) Phenol-d6                | 7.11  | 99   | 568407   | 81.23 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 8.08  | 82   | 498830   | 80.95 | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 11.38 | 330  | 120298   | 77.26 | ng    | -0.01    |
| 44) 2-Fluorobiphenyl        | 9.88  | 172  | 1048586  | 84.08 | ng    | 0.00     |
| 78) Terphenyl-d14           | 13.84 | 244  | 1279131  | 87.59 | ng    | -0.11    |

| Target Compounds               | R.T. | QIon | Response | Conc  | Units | Qvalue |
|--------------------------------|------|------|----------|-------|-------|--------|
| 2) 1,4-Dioxane                 | 3.60 | 88   | 92840    | 37.72 | ng    | 98     |
| 3) Pyridine                    | 4.30 | 79   | 291318   | 41.18 | ng    | 89     |
| 4) n-Nitrosodimethylamine      | 4.23 | 42   | 128251   | 40.67 | ng    | 99     |
| 6) Aniline                     | 7.18 | 93   | 393502   | 39.23 | ng    | 99     |
| 8) 2-Chlorophenol              | 7.30 | 128  | 251509   | 40.65 | ng    | 97     |
| 9) Benzaldehyde                | 7.06 | 77   | 162931   | 40.21 | ng    | 99     |
| 10) Phenol                     | 7.12 | 94   | 302018   | 40.30 | ng    | 98     |
| 11) bis(2-Chloroethyl)ether    | 7.23 | 93   | 237006   | 39.67 | ng    | 98     |
| 12) 1,3-Dichlorobenzene        | 7.46 | 146  | 282908   | 39.99 | ng    | 99     |
| 13) 1,4-Dichlorobenzene        | 7.54 | 146  | 285011   | 39.40 | ng    | 98     |
| 14) 1,2-Dichlorobenzene        | 7.69 | 146  | 260188m  | 39.73 | ng    |        |
| 15) Benzyl Alcohol             | 7.63 | 79   | 199566   | 39.17 | ng    | 99     |
| 16) 2,2'-oxybis(1-Chloropropan | 7.78 | 45   | 394957   | 39.65 | ng    | 99     |
| 17) 2-Methylphenol             | 7.74 | 107  | 201573   | 39.46 | ng    | 98     |
| 18) Hexachloroethane           | 8.04 | 117  | 94497    | 39.90 | ng    | 95     |
| 19) n-Nitroso-di-n-propylamine | 7.91 | 70   | 206821   | 43.24 | ng    | 97     |
| 20) 3+4-Methylphenols          | 7.88 | 107  | 265260   | 39.21 | ng    | 99     |
| 22) Acetophenone               | 7.92 | 105  | 343926   | 40.67 | ng    | 99     |
| 24) Nitrobenzene               | 8.09 | 77   | 253398   | 41.84 | ng    | 98     |
| 25) Isophorone                 | 8.33 | 82   | 513208   | 41.67 | ng    | 100    |
| 26) 2-Nitrophenol              | 8.41 | 139  | 85260    | 42.63 | ng    | 95     |
| 27) 2,4-Dimethylphenol         | 8.43 | 122  | 223752   | 39.69 | ng    | 98     |
| 28) bis(2-Chloroethoxy)methane | 8.52 | 93   | 290729   | 41.09 | ng    | 99     |
| 29) 2,4-Dichlorophenol         | 8.65 | 162  | 212748   | 42.32 | ng    | 98     |
| 30) 1,2,4-Trichlorobenzene     | 8.75 | 180  | 230221   | 40.64 | ng    | 98     |
| 31) Naphthalene                | 8.83 | 128  | 748426   | 39.62 | ng    | 99     |
| 32) Benzoic acid               | 8.49 | 122  | 68758    | 44.13 | ng    | # 86   |
| 33) 4-Chloroaniline            | 8.87 | 127  | 413775   | 40.28 | ng    | 98     |
| 34) Hexachlorobutadiene        | 8.95 | 225  | 133650   | 42.09 | ng    | 96     |
| 35) Caprolactam                | 9.20 | 113  | 61385    | 44.35 | ng    | # 61   |
| 36) 4-Chloro-3-methylphenol    | 9.32 | 107  | 203797   | 39.72 | ng    | 97     |
| 37) 2-Methylnaphthalene        | 9.53 | 142  | 516965   | 41.02 | ng    | 99     |
| 39) 1,2,4,5-Tetrachlorobenzene | 9.70 | 216  | 245423   | 40.54 | ng    | 98     |
| 40) Hexachlorocyclopentadiene  | 9.69 | 237  | 104071   | 36.05 | ng    | 98     |

Data Path : Z:\HPCHEM1\BNA F\DATA\BF060315\  
 Data File : BF079666.D  
 Acq On : 3 Jun 2015 17:03  
 Operator : TP/IZ  
 Sample : PB83713BS  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB83713BS

Manual Integrations  
 APPROVED

apatel  
 6/5/2015 8:06:03 AM

Quant Time: Jun 05 11:27:43 2015  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060315.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jun 05 10:52:02 2015  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 9.80  | 196  | 142609   | 43.31 | nq    | 99       |
| 43) 2,4,5-Trichlorophenol      | 9.84  | 196  | 157959   | 43.31 | nq    | 97       |
| 45) 1,1'-Biphenyl              | 10.00 | 154  | 568800   | 39.10 | nq    | 99       |
| 46) 2-Chloronaphthalene        | 10.02 | 162  | 456924   | 40.09 | nq    | # 91     |
| 47) 2-Nitroaniline             | 10.10 | 65   | 105741   | 45.05 | nq    | 93       |
| 48) Acenaphthylene             | 10.46 | 152  | 764009   | 40.43 | nq    | 100      |
| 49) Dimethylphthalate          | 10.27 | 163  | 544436   | 39.38 | nq    | 100      |
| 50) 2,6-Dinitrotoluene         | 10.34 | 165  | 97017    | 44.18 | nq    | 92       |
| 51) Acenaphthene               | 10.63 | 154  | 456112   | 39.83 | nq    | 98       |
| 52) 3-Nitroaniline             | 10.51 | 138  | 121895   | 45.00 | nq    | 96       |
| 53) 2,4-Dinitrophenol          | 10.62 | 184  | 23951    | 38.36 | nq    | # 21     |
| 54) Dibenzofuran               | 10.80 | 168  | 667541   | 40.17 | nq    | 98       |
| 55) 4-Nitrophenol              | 10.65 | 139  | 89277    | 40.86 | nq    | 96       |
| 56) 2,4-Dinitrotoluene         | 10.75 | 165  | 111748   | 41.96 | nq    | 92       |
| 57) Fluorene                   | 11.14 | 166  | 531401   | 39.13 | nq    | 100      |
| 58) 2,3,4,6-Tetrachlorophenol  | 10.90 | 232  | 111523   | 44.12 | nq    | 98       |
| 59) Diethylphthalate           | 10.98 | 149  | 555953   | 41.88 | nq    | 98       |
| 60) 4-Chlorophenyl-phenylether | 11.13 | 204  | 250386   | 40.84 | nq    | # 90     |
| 61) 4-Nitroaniline             | 11.13 | 138  | 119268   | 44.63 | nq    | 97       |
| 62) Azobenzene                 | 11.29 | 77   | 485600   | 39.13 | nq    | 86       |
| 64) 4,6-Dinitro-2-methylphenol | 11.16 | 198  | 40672    | 40.49 | nq    | # 74     |
| 65) n-Nitrosodiphenylamine     | 11.23 | 169  | 463454   | 41.10 | nq    | 99       |
| 66) 4-Bromophenyl-phenylether  | 11.62 | 248  | 151838   | 42.14 | nq    | 93       |
| 67) Hexachlorobenzene          | 11.71 | 284  | 171386   | 40.48 | nq    | # 93     |
| 68) Atrazine                   | 11.76 | 200  | 132330   | 45.82 | nq    | 96       |
| 69) Pentachlorophenol          | 11.90 | 266  | 76910    | 49.59 | nq    | 98       |
| 70) Phenanthrene               | 12.14 | 178  | 820630   | 41.33 | nq    | 99       |
| 71) Anthracene                 | 12.19 | 178  | 806785   | 40.39 | nq    | 99       |
| 72) Carbazole                  | 12.34 | 167  | 737646   | 40.22 | nq    | 97       |
| 73) Di-n-butylphthalate        | 12.67 | 149  | 869786   | 43.26 | nq    | # 78     |
| 74) Fluoranthene               | 13.43 | 202  | 864192   | 40.37 | nq    | 98       |
| 76) Benzidine                  | 13.54 | 184  | 415434   | 49.22 | nq    | 100      |
| 77) Pyrene                     | 13.69 | 202  | 885105   | 41.43 | nq    | 100      |
| 79) Butylbenzylphthalate       | 14.40 | 149  | 355631   | 48.16 | nq    | 95       |
| 80) Benzo(a)anthracene         | 15.15 | 228  | 890262   | 43.87 | nq    | 99       |
| 81) 3,3'-Dichlorobenzidine     | 15.10 | 252  | 305204   | 50.35 | nq    | 99       |
| 82) Chrysene                   | 15.21 | 228  | 832250   | 40.77 | nq    | 98       |
| 83) Bis(2-ethylhexyl)phthalate | 15.12 | 149  | 568513   | 46.78 | nq    | # 96     |
| 84) Di-n-octyl phthalate       | 15.97 | 149  | 938109   | 51.21 | nq    | 99       |
| 85) Indeno(1,2,3-cd)pyrene     | 19.21 | 276  | 950217   | 47.59 | nq    | 99       |
| 87) Benzo(b)fluoranthene       | 16.59 | 252  | 796009m  | 44.17 | nq    |          |
| 88) Benzo(k)fluoranthene       | 16.63 | 252  | 832972m  | 39.45 | nq    |          |
| 89) Benzo(a)pyrene             | 17.10 | 252  | 786060   | 44.60 | nq    | 98       |
| 90) Dibenzo(a,h)anthracene     | 19.25 | 278  | 772628   | 46.79 | nq    | 98       |
| 91) Benzo(g,h,i)perylene       | 19.83 | 276  | 766676   | 43.77 | nq    | 97       |

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

