

Data Path : Z:\HPCHEM1\BNA F\DATA\BF012517\  
 Data File : BF092475.D  
 Acq On : 25 Jan 2017 14:37  
 Operator : SJ/MA  
 Sample : PB96090BS  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB96090BS

Quant Time: Jan 26 14:11:06 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012417.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jan 24 13:48:07 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.97  | 152  | 184469   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.26  | 136  | 746576   | 20.00 | ng    | -0.01    |
| 38) Acenaphthene-d10      | 10.03 | 164  | 428250   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 11.52 | 188  | 665524   | 20.00 | ng    | -0.01    |
| 75) Chrysene-d12          | 14.16 | 240  | 530003   | 20.00 | ng    | -0.01    |
| 86) Perylene-d12          | 15.63 | 264  | 437335   | 20.00 | ng    | -0.01    |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 5) 2-Fluorophenol           | 5.57  | 112  | 1483717  | 125.14 | ng    | 0.02     |
| 7) Phenol-d6                | 6.60  | 99   | 2006171  | 132.84 | ng    | 0.01     |
| 23) Nitrobenzene-d5         | 7.54  | 82   | 1248839  | 91.37  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 10.82 | 330  | 353349   | 121.08 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 9.34  | 172  | 2093537  | 90.40  | ng    | -0.01    |
| 78) Terphenyl-d14           | 13.11 | 244  | 1649082  | 82.85  | ng    | -0.01    |

| Target Compounds               | R.T. | QIon | Response | Conc  | Units | Qvalue |
|--------------------------------|------|------|----------|-------|-------|--------|
| 2) 1,4-Dioxane                 | 2.72 | 88   | 225571   | 35.77 | ng    | # 82   |
| 3) Pyridine                    | 3.47 | 79   | 673179   | 37.50 | ng    | 87     |
| 4) n-Nitrosodimethylamine      | 3.42 | 42   | 363219   | 41.24 | ng    | 81     |
| 6) Aniline                     | 6.64 | 93   | 465735   | 20.67 | ng    | # 44   |
| 8) 2-Chlorophenol              | 6.75 | 128  | 531737   | 42.70 | ng    | 87     |
| 9) Benzaldehyde                | 6.51 | 77   | 36496    | 3.41  | ng    | 90     |
| 10) Phenol                     | 6.61 | 94   | 863728   | 47.38 | ng    | # 70   |
| 11) bis(2-Chloroethyl)ether    | 6.70 | 93   | 553344   | 40.57 | ng    | 93     |
| 12) 1,3-Dichlorobenzene        | 6.91 | 146  | 611897m  | 41.55 | ng    |        |
| 13) 1,4-Dichlorobenzene        | 6.99 | 146  | 649844   | 43.84 | ng    | 95     |
| 14) 1,2-Dichlorobenzene        | 7.14 | 146  | 554611   | 39.44 | ng    | 98     |
| 15) Benzyl Alcohol             | 7.12 | 79   | 553555   | 48.64 | ng    | 97     |
| 16) 2,2'-oxybis(1-Chloropropan | 7.25 | 45   | 1098878  | 40.73 | ng    | 92     |
| 17) 2-Methylphenol             | 7.22 | 107  | 515153   | 48.41 | ng    | 98     |
| 18) Hexachloroethane           | 7.48 | 117  | 215012   | 42.11 | ng    | # 88   |
| 19) n-Nitroso-di-n-propylamine | 7.39 | 70   | 403678   | 39.25 | ng    | 92     |
| 20) 3+4-Methylphenols          | 7.38 | 107  | 565296   | 43.79 | ng    | 98     |
| 22) Acetophenone               | 7.39 | 105  | 791362   | 44.51 | ng    | # 91   |
| 24) Nitrobenzene               | 7.56 | 77   | 686498   | 47.95 | ng    | # 86   |
| 25) Isophorone                 | 7.80 | 82   | 1240644  | 46.06 | ng    | 97     |
| 26) 2-Nitrophenol              | 7.87 | 139  | 305737   | 50.96 | ng    | 92     |
| 27) 2,4-Dimethylphenol         | 7.92 | 122  | 594418   | 47.64 | ng    | 94     |
| 28) bis(2-Chloroethoxy)methane | 8.01 | 93   | 729615   | 41.27 | ng    | 99     |
| 29) 2,4-Dichlorophenol         | 8.12 | 162  | 515094   | 47.61 | ng    | 99     |
| 30) 1,2,4-Trichlorobenzene     | 8.20 | 180  | 503273   | 43.04 | ng    | 95     |
| 31) Naphthalene                | 8.28 | 128  | 1552539  | 40.63 | ng    | 99     |
| 32) Benzoic acid               | 8.04 | 122  | 371510   | 40.63 | ng    | 96     |
| 33) 4-Chloroaniline            | 8.33 | 127  | 149735   | 9.26  | ng    | 97     |
| 34) Hexachlorobutadiene        | 8.41 | 225  | 279810   | 43.75 | ng    | 98     |
| 35) Caprolactam                | 8.72 | 113  | 191603m  | 53.04 | ng    |        |
| 36) 4-Chloro-3-methylphenol    | 8.82 | 107  | 577352   | 49.49 | ng    | 96     |
| 37) 2-Methylnaphthalene        | 8.98 | 142  | 1042567  | 43.10 | ng    | 99     |
| 39) 1,2,4,5-Tetrachlorobenzene | 9.15 | 216  | 491662   | 45.51 | ng    | 99     |
| 40) Hexachlorocyclopentadiene  | 9.14 | 237  | 496972   | 91.86 | ng    | 98     |

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|--------------------------------|-------|------|----------|-------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 9.26  | 196  | 381137   | 46.05 | nq    | 95       |
| 43) 2,4,5-Trichlorophenol      | 9.30  | 196  | 359608   | 47.48 | nq    | 94       |
| 45) 1,1'-Biphenyl              | 9.45  | 154  | 1253927  | 40.51 | nq    | 97       |
| 46) 2-Chloronaphthalene        | 9.47  | 162  | 982268   | 38.85 | nq    | 96       |
| 47) 2-Nitroaniline             | 9.56  | 65   | 330832   | 38.85 | nq    | 94       |
| 48) Acenaphthylene             | 9.89  | 152  | 1711803  | 46.16 | nq    | 99       |
| 49) Dimethylphthalate          | 9.76  | 163  | 1293048  | 47.48 | nq    | 100      |
| 50) 2,6-Dinitrotoluene         | 9.81  | 165  | 307395   | 55.22 | nq    | 96       |
| 51) Acenaphthene               | 10.06 | 154  | 1163610  | 50.50 | nq    | 97       |
| 52) 3-Nitroaniline             | 9.97  | 138  | 128040   | 18.37 | nq    | 97       |
| 53) 2,4-Dinitrophenol          | 10.09 | 184  | 305462   | 81.52 | nq    | # 86     |
| 54) Dibenzofuran               | 10.24 | 168  | 1449949  | 46.34 | nq    | 96       |
| 55) 4-Nitrophenol              | 10.14 | 139  | 532951   | 96.26 | nq    | # 74     |
| 56) 2,4-Dinitrotoluene         | 10.21 | 165  | 338433   | 45.80 | nq    | 96       |
| 57) Fluorene                   | 10.58 | 166  | 1088874  | 46.93 | nq    | 98       |
| 58) 2,3,4,6-Tetrachlorophenol  | 10.35 | 232  | 288622   | 50.87 | nq    | 100      |
| 59) Diethylphthalate           | 10.45 | 149  | 1123110  | 43.01 | nq    | 99       |
| 60) 4-Chlorophenyl-phenylether | 10.57 | 204  | 449047   | 39.90 | nq    | 94       |
| 61) 4-Nitroaniline             | 10.60 | 138  | 309403   | 44.37 | nq    | 93       |
| 62) Azobenzene                 | 10.73 | 77   | 1299593  | 43.73 | nq    | 95       |
| 64) 4,6-Dinitro-2-methylphenol | 10.62 | 198  | 205285   | 56.29 | nq    | 80       |
| 65) n-Nitrosodiphenylamine     | 10.69 | 169  | 1025761  | 49.35 | nq    | 99       |
| 66) 4-Bromophenyl-phenylether  | 11.06 | 248  | 296803   | 44.17 | nq    | 99       |
| 67) Hexachlorobenzene          | 11.13 | 284  | 312294   | 45.98 | nq    | 95       |
| 68) Atrazine                   | 11.22 | 200  | 299800   | 42.14 | nq    | 99       |
| 69) Pentachlorophenol          | 11.32 | 266  | 394373   | 90.81 | nq    | 97       |
| 70) Phenanthrene               | 11.54 | 178  | 1492126  | 40.71 | nq    | 99       |
| 71) Anthracene                 | 11.60 | 178  | 1749467  | 48.84 | nq    | 99       |
| 72) Carbazole                  | 11.75 | 167  | 1403700  | 41.05 | nq    | 99       |
| 73) Di-n-butylphthalate        | 12.08 | 149  | 1735052  | 44.37 | nq    | 98       |
| 74) Fluoranthene               | 12.73 | 202  | 1492764  | 41.64 | nq    | 98       |
| 76) Benzidine                  | 12.84 | 184  | 309946   | 15.75 | nq    | 99       |
| 77) Pyrene                     | 12.96 | 202  | 1558478  | 40.58 | nq    | 99       |
| 79) Butylbenzylphthalate       | 13.59 | 149  | 804590   | 51.72 | nq    | # 75     |
| 80) Benzo(a)anthracene         | 14.15 | 228  | 1253589  | 44.01 | nq    | 100      |
| 81) 3,3'-Dichlorobenzidine     | 14.11 | 252  | 233961   | 21.63 | nq    | # 95     |
| 82) Chrysene                   | 14.19 | 228  | 1405477  | 46.20 | nq    | 99       |
| 83) Bis(2-ethylhexyl)phthalate | 14.15 | 149  | 951400   | 48.56 | nq    | # 96     |
| 84) Di-n-octyl phthalate       | 14.75 | 149  | 1877968  | 52.80 | nq    | 99       |
| 85) Indeno(1,2,3-cd)pyrene     | 17.12 | 276  | 1126418  | 50.05 | nq    | # 94     |
| 87) Benzo(b)fluoranthene       | 15.21 | 252  | 1372028  | 48.87 | nq    | 97       |
| 88) Benzo(k)fluoranthene       | 15.23 | 252  | 1161002m | 49.73 | nq    |          |
| 89) Benzo(a)pyrene             | 15.57 | 252  | 1161721  | 48.91 | nq    | # 97     |
| 90) Dibenzo(a,h)anthracene     | 17.14 | 278  | 941069   | 49.00 | nq    | 96       |
| 91) Benzo(g,h,i)perylene       | 17.57 | 276  | 928343   | 47.80 | nq    | # 93     |

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

