

Data Path : U:\HPCHEM1\BNA N\DATA\BN020118\  
 Data File : BN000007.D  
 Acq On : 01 Feb 2018 18:09  
 Operator : SJ/JU  
 Sample : SSTDICC060  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Feb 01 18:42:51 2018  
 Quant Method : Z:\HPCHEM1\BNA N\METHODS\8270-BN020118.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Feb 01 17:51:05 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.49  | 152  | 280539   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 11.33 | 136  | 1422633  | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 15.09 | 164  | 835883   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 17.82 | 188  | 1888090  | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 21.94 | 240  | 2168883  | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 24.44 | 264  | 2406577  | 20.00 | ng    | -0.01    |

## System Monitoring Compounds

|                          |       |     |         |        |    |      |
|--------------------------|-------|-----|---------|--------|----|------|
| 5) 2-Fluorophenol        | 5.95  | 112 | 2350070 | 168.26 | ng | 0.00 |
| 7) Phenol-d6             | 7.60  | 99  | 3562661 | 191.15 | ng | 0.00 |
| 23) Nitrobenzene-d5      | 9.66  | 82  | 3120342 | 137.00 | ng | 0.00 |
| 41) 2,4,6-Tribromophenol | 16.56 | 330 | 1076489 | 67.66  | ng | 0.00 |
| 44) 2-Fluorobiphenyl     | 13.73 | 172 | 7390411 | 105.09 | ng | 0.00 |
| 78) Terphenyl-d14        | 20.38 | 244 | 9566845 | 94.49  | ng | 0.00 |

## Target Compounds

|                                |       |     |         |         |    | Qvalue |
|--------------------------------|-------|-----|---------|---------|----|--------|
| 2) 1,4-Dioxane                 | 3.66  | 88  | 443664  | 94.410  | ng | 95     |
| 3) Pyridine                    | 4.10  | 79  | 1512413 | 119.191 | ng | 98     |
| 4) n-Nitrosodimethylamine      | 4.01  | 42  | 422715  | 63.995  | ng | # 96   |
| 6) Aniline                     | 7.79  | 93  | 2421207 | 104.191 | ng | 91     |
| 8) 2-Chlorophenol              | 8.03  | 128 | 1304658 | 79.022  | ng | 88     |
| 9) Benzaldehyde                | 7.60  | 77  | 753191  | 78.242  | ng | 87     |
| 10) Phenol                     | 7.63  | 94  | 1824033 | 103.055 | ng | 88     |
| 11) bis(2-Chloroethyl)ether    | 7.89  | 93  | 1409906 | 104.545 | ng | # 82   |
| 12) 1,3-Dichlorobenzene        | 8.37  | 146 | 1405619 | 62.954  | ng | 99     |
| 13) 1,4-Dichlorobenzene        | 8.52  | 146 | 1433272 | 64.046  | ng | 97     |
| 14) 1,2-Dichlorobenzene        | 8.85  | 146 | 1424011 | 64.957  | ng | 95     |
| 15) Benzyl Alcohol             | 8.72  | 79  | 1298300 | 84.521  | ng | 90     |
| 16) 2,2'-oxybis(1-Chloropropan | 9.02  | 45  | 1497216 | 117.160 | ng | 80     |
| 17) 2-Methylphenol             | 8.92  | 107 | 1310276 | 91.148  | ng | 95     |
| 18) Hexachloroethane           | 9.59  | 117 | 509317  | 67.786  | ng | # 80   |
| 19) n-Nitroso-di-n-propylamine | 9.29  | 70  | 1164425 | 94.225  | ng | # 83   |
| 20) 3+4-Methylphenols          | 9.25  | 107 | 1829283 | 90.719  | ng | 93     |
| 22) Acetophenone               | 9.32  | 105 | 2510774 | 75.290  | ng | # 88   |
| 24) Nitrobenzene               | 9.70  | 77  | 1656780 | 75.225  | ng | # 93   |
| 25) Isophorone                 | 10.23 | 82  | 3339405 | 86.106  | ng | 96     |
| 26) 2-Nitrophenol              | 10.42 | 139 | 529078  | 39.739  | ng | 91     |
| 27) 2,4-Dimethylphenol         | 10.46 | 122 | 1380331 | 72.233  | ng | 95     |
| 28) bis(2-Chloroethoxy)methane | 10.71 | 93  | 1931991 | 90.845  | ng | 97     |
| 29) 2,4-Dichlorophenol         | 10.96 | 162 | 1263178 | 49.899  | ng | 95     |
| 30) 1,2,4-Trichlorobenzene     | 11.18 | 180 | 1383944 | 41.018  | ng | 98     |
| 31) Naphthalene                | 11.38 | 128 | 4720245 | 67.934  | ng | 98     |
| 32) Benzoic acid               | 10.58 | 122 | 831322  | 64.545  | ng | 88     |
| 33) 4-Chloroaniline            | 11.47 | 127 | 2252688 | 72.690  | ng | 96     |
| 34) Hexachlorobutadiene        | 11.66 | 225 | 711648  | 27.110  | ng | 98     |
| 35) Caprolactam                | 12.22 | 113 | 556196  | 76.536  | ng | 94     |
| 36) 4-Chloro-3-methylphenol    | 12.56 | 107 | 1631249 | 67.934  | ng | 97     |
| 37) 2-Methylnaphthalene        | 12.96 | 142 | 3318821 | 56.855  | ng | 96     |
| 39) 1,2,4,5-Tetrachlorobenzene | 13.31 | 216 | 1492307 | 38.161  | ng | # 96   |
| 40) Hexachlorocyclopentadiene  | 13.29 | 237 | 550863  | 22.546  | ng | 92     |

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|--------------------------------|-------|------|----------|---------|-------|----------|
| -----                          |       |      |          |         |       |          |
| 42) 2,4,6-Trichlorophenol      | 13.53 | 196  | 946839   | 44.514  | nq    | 99       |
| 43) 2,4,5-Trichlorophenol      | 13.60 | 196  | 1116565  | 45.030  | nq #  | 93       |
| 45) 1,1'-Biphenyl              | 13.94 | 154  | 4449523  | 63.007  | nq    | 98       |
| 46) 2-Chloronaphthalene        | 13.99 | 162  | 3394450  | 61.326  | nq    | 97       |
| 47) 2-Nitroaniline             | 14.17 | 65   | 911413   | 74.460  | nq    | 87       |
| 48) Acenaphthylene             | 14.82 | 152  | 5714698  | 68.295  | nq    | 97       |
| 49) Dimethylphthalate          | 14.54 | 163  | 4431226  | 57.494  | nq    | 99       |
| 50) 2,6-Dinitrotoluene         | 14.66 | 165  | 884158   | 54.657  | nq    | 93       |
| 51) Acenaphthene               | 15.16 | 154  | 3550258  | 61.178  | nq    | 99       |
| 52) 3-Nitroaniline             | 14.98 | 138  | 1090191  | 77.157  | nq #  | 93       |
| 53) 2,4-Dinitrophenol          | 15.18 | 184  | 209581   | 23.089  | nq #  | 15       |
| 54) Dibenzofuran               | 15.49 | 168  | 5020933  | 58.456  | nq    | 95       |
| 55) 4-Nitrophenol              | 15.26 | 139  | 818658   | 77.392  | nq #  | 87       |
| 56) 2,4-Dinitrotoluene         | 15.43 | 165  | 1183063  | 51.365  | nq #  | 96       |
| 57) Fluorene                   | 16.13 | 166  | 4214413  | 59.047  | nq    | 96       |
| 58) 2,3,4,6-Tetrachlorophenol  | 15.70 | 232  | 900783   | 36.833  | nq #  | 82       |
| 59) Diethylphthalate           | 15.89 | 149  | 4665432  | 62.152  | nq    | 98       |
| 60) 4-Chlorophenyl-phenylether | 16.12 | 204  | 1868013  | 41.504  | nq    | 91       |
| 61) 4-Nitroaniline             | 16.13 | 138  | 1160870  | 76.654  | nq    | 93       |
| 62) Azobenzene                 | 16.40 | 77   | 4680207  | 104.332 | nq    | 91       |
| 64) 4,6-Dinitro-2-methylphenol | 16.19 | 198  | 407987   | 28.924  | nq    | 91       |
| 65) n-Nitrosodiphenylamine     | 16.32 | 169  | 3752504  | 66.596  | nq    | 97       |
| 66) 4-Bromophenyl-phenylether  | 17.00 | 248  | 1080630  | 38.633  | nq #  | 86       |
| 67) Hexachlorobenzene          | 17.12 | 284  | 1223588  | 39.528  | nq #  | 89       |
| 68) Atrazine                   | 17.25 | 200  | 1151172  | 47.591  | nq    | 94       |
| 69) Pentachlorophenol          | 17.45 | 266  | 804180   | 41.471  | nq    | 98       |
| 70) Phenanthrene               | 17.86 | 178  | 6721348  | 63.835  | nq    | 99       |
| 71) Anthracene                 | 17.95 | 178  | 6797340  | 64.834  | nq    | 99       |
| 72) Carbazole                  | 18.20 | 167  | 7013070  | 75.708  | nq    | 97       |
| 73) Di-n-butylphthalate        | 18.75 | 149  | 8089345  | 78.874  | nq #  | 98       |
| 74) Fluoranthene               | 19.83 | 202  | 7649949  | 55.401  | nq    | 92       |
| 76) Benzidine                  | 20.00 | 184  | 3130073  | 73.496  | nq    | 96       |
| 77) Pyrene                     | 20.19 | 202  | 8158518  | 61.330  | nq    | 97       |
| 79) Butylbenzylphthalate       | 21.06 | 149  | 3663018  | 87.299  | nq    | 96       |
| 80) Benzo(a)anthracene         | 21.93 | 228  | 8007003  | 59.550  | nq    | 98       |
| 81) 3,3'-Dichlorobenzidine     | 21.84 | 252  | 2898864  | 55.646  | nq #  | 97       |
| 82) Chrysene                   | 21.99 | 228  | 7889113  | 60.755  | nq    | 97       |
| 83) Bis(2-ethylhexyl)phthalate | 21.84 | 149  | 5773683  | 97.045  | nq #  | 97       |
| 84) Di-n-octyl phthalate       | 22.81 | 149  | 9586003  | 101.584 | nq #  | 94       |
| 85) Indeno(1,2,3-cd)pyrene     | 27.04 | 276  | 10829352 | 65.925  | nq #  | 86       |
| 87) Benzo(b)fluoranthene       | 23.69 | 252  | 8685279  | 59.729  | nq #  | 96       |
| 88) Benzo(k)fluoranthene       | 23.74 | 252  | 8618367  | 59.830  | nq #  | 95       |
| 89) Benzo(a)pyrene             | 24.34 | 252  | 8491443  | 61.253  | nq #  | 95       |
| 90) Dibenzo(a,h)anthracene     | 27.06 | 278  | 9005357  | 63.502  | nq #  | 90       |
| 91) Benzo(g,h,i)perylene       | 27.84 | 276  | 9264829  | 65.819  | nq #  | 87       |
| -----                          |       |      |          |         |       |          |

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

