

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

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SSTDICC060

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 | 8.487  | 152  | 280539   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 11.328 | 136  | 1422633  | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 15.092 | 164  | 835883   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 17.816 | 188  | 1888090  | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 21.945 | 240  | 2168883  | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 24.445 | 264  | 2406577  | 20.00 | ng    | -0.01    |

## System Monitoring Compounds

|                          |        |     |         |        |    |      |
|--------------------------|--------|-----|---------|--------|----|------|
| 5) 2-Fluorophenol        | 5.952  | 112 | 2350070 | 168.26 | ng | 0.00 |
| 7) Phenol-d6             | 7.605  | 99  | 3562661 | 191.15 | ng | 0.00 |
| 23) Nitrobenzene-d5      | 9.663  | 82  | 3120342 | 137.00 | ng | 0.00 |
| 41) 2,4,6-Tribromophenol | 16.563 | 330 | 1076489 | 67.66  | ng | 0.00 |
| 44) 2-Fluorobiphenyl     | 13.728 | 172 | 7390411 | 105.09 | ng | 0.00 |
| 78) Terphenyl-d14        | 20.380 | 244 | 9566845 | 94.49  | ng | 0.00 |

## Target Compounds

|                               |        |     |         |        |    | Qvalue |
|-------------------------------|--------|-----|---------|--------|----|--------|
| 2) 1,4-Dioxane                | 3.664  | 88  | 443664  | 94.41  | ng | 95     |
| 3) Pyridine                   | 4.105  | 79  | 1512413 | 119.19 | ng | 98     |
| 4) n-Nitrosodimethylamine     | 4.011  | 42  | 422715  | 64.00  | ng | # 96   |
| 6) Aniline                    | 7.787  | 93  | 2421207 | 104.19 | ng | 91     |
| 8) 2-Chlorophenol             | 8.034  | 128 | 1304658 | 79.02  | ng | 88     |
| 9) Benzaldehyde               | 7.599  | 77  | 753191  | 78.24  | ng | 87     |
| 10) Phenol                    | 7.628  | 94  | 1824033 | 103.05 | ng | 88     |
| 11) bis(2-Chloroethyl)ether   | 7.887  | 93  | 1409906 | 104.54 | ng | # 82   |
| 12) 1,3-Dichlorobenzene       | 8.369  | 146 | 1405619 | 62.95  | ng | 99     |
| 13) 1,4-Dichlorobenzene       | 8.522  | 146 | 1433272 | 64.05  | ng | 97     |
| 14) 1,2-Dichlorobenzene       | 8.846  | 146 | 1424011 | 64.96  | ng | 95     |
| 15) Benzyl Alcohol            | 8.716  | 79  | 1298300 | 84.52  | ng | 90     |
| 16) 2,2'-oxybis(1-Chloropr... | 9.016  | 45  | 1497216 | 117.16 | ng | 80     |
| 17) 2-Methylphenol            | 8.916  | 107 | 1310276 | 91.15  | ng | 95     |
| 18) Hexachloroethane          | 9.593  | 117 | 509317  | 67.79  | ng | # 80   |
| 19) n-Nitroso-di-n-propyla... | 9.293  | 70  | 1164425 | 94.23  | ng | # 83   |
| 20) 3+4-Methylphenols         | 9.246  | 107 | 1829283 | 90.72  | ng | 93     |
| 22) Acetophenone              | 9.316  | 105 | 2510774 | 75.29  | ng | # 88   |
| 24) Nitrobenzene              | 9.704  | 77  | 1656780 | 75.22  | ng | # 93   |
| 25) Isophorone                | 10.228 | 82  | 3339405 | 86.11  | ng | 96     |
| 26) 2-Nitrophenol             | 10.422 | 139 | 529078  | 39.74  | ng | 91     |
| 27) 2,4-Dimethylphenol        | 10.463 | 122 | 1380331 | 72.23  | ng | 95     |
| 28) bis(2-Chloroethoxy)met... | 10.710 | 93  | 1931991 | 90.85  | ng | 97     |
| 29) 2,4-Dichlorophenol        | 10.957 | 162 | 1263178 | 49.90  | ng | 95     |
| 30) 1,2,4-Trichlorobenzene    | 11.181 | 180 | 1383944 | 41.02  | ng | 98     |
| 31) Naphthalene               | 11.381 | 128 | 4720245 | 67.93  | ng | 98     |
| 32) Benzoic acid              | 10.581 | 122 | 831322  | 64.54  | ng | 88     |
| 33) 4-Chloroaniline           | 11.469 | 127 | 2252688 | 72.69  | ng | 96     |
| 34) Hexachlorobutadiene       | 11.657 | 225 | 711648  | 27.11  | ng | 98     |
| 35) Caprolactam               | 12.222 | 113 | 556196  | 76.54  | ng | 94     |
| 36) 4-Chloro-3-methylphenol   | 12.557 | 107 | 1631249 | 67.93  | ng | 97     |
| 37) 2-Methylnaphthalene       | 12.957 | 142 | 3318821 | 56.86  | ng | 96     |
| 39) 1,2,4,5-Tetrachloroben... | 13.310 | 216 | 1492307 | 38.16  | ng | # 96   |
| 40) Hexachlorocyclopentadiene | 13.287 | 237 | 550863  | 22.55  | ng | 92     |

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|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| 42) 2,4,6-Trichlorophenol     | 13.534 | 196  | 946839   | 44.51  | nq    | 99       |
| 43) 2,4,5-Trichlorophenol     | 13.604 | 196  | 1116565  | 45.03  | nq #  | 93       |
| 45) 1,1'-Biphenyl             | 13.940 | 154  | 4449523  | 63.01  | nq    | 98       |
| 46) 2-Chloronaphthalene       | 13.987 | 162  | 3394450  | 61.33  | nq    | 97       |
| 47) 2-Nitroaniline            | 14.169 | 65   | 911413   | 74.46  | nq    | 87       |
| 48) Acenaphthylene            | 14.822 | 152  | 5714698  | 68.30  | nq    | 97       |
| 49) Dimethylphthalate         | 14.539 | 163  | 4431226  | 57.49  | nq    | 99       |
| 50) 2,6-Dinitrotoluene        | 14.657 | 165  | 884158   | 54.66  | nq    | 93       |
| 51) Acenaphthene              | 15.157 | 154  | 3550258  | 61.18  | nq    | 99       |
| 52) 3-Nitroaniline            | 14.981 | 138  | 1090191  | 77.16  | nq #  | 93       |
| 53) 2,4-Dinitrophenol         | 15.181 | 184  | 209581   | 23.09  | nq #  | 15       |
| 54) Dibenzofuran              | 15.486 | 168  | 5020933  | 58.46  | nq    | 95       |
| 55) 4-Nitrophenol             | 15.257 | 139  | 818658   | 77.39  | nq #  | 87       |
| 56) 2,4-Dinitrotoluene        | 15.428 | 165  | 1183063  | 51.37  | nq #  | 96       |
| 57) Fluorene                  | 16.128 | 166  | 4214413  | 59.05  | nq    | 96       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.698 | 232  | 900783   | 36.83  | nq #  | 82       |
| 59) Diethylphthalate          | 15.886 | 149  | 4665432  | 62.15  | nq    | 98       |
| 60) 4-Chlorophenyl-phenyle... | 16.116 | 204  | 1868013  | 41.50  | nq    | 91       |
| 61) 4-Nitroaniline            | 16.134 | 138  | 1160870  | 76.65  | nq    | 93       |
| 62) Azobenzene                | 16.404 | 77   | 4680207  | 104.33 | nq    | 91       |
| 64) 4,6-Dinitro-2-methylph... | 16.186 | 198  | 407987   | 28.92  | nq    | 91       |
| 65) n-Nitrosodiphenylamine    | 16.322 | 169  | 3752504  | 66.60  | nq    | 97       |
| 66) 4-Bromophenyl-phenylether | 17.004 | 248  | 1080630  | 38.63  | nq #  | 86       |
| 67) Hexachlorobenzene         | 17.122 | 284  | 1223588  | 39.53  | nq #  | 89       |
| 68) Atrazine                  | 17.251 | 200  | 1151172  | 47.59  | nq    | 94       |
| 69) Pentachlorophenol         | 17.451 | 266  | 804180   | 41.47  | nq    | 98       |
| 70) Phenanthrene              | 17.857 | 178  | 6721348  | 63.83  | nq    | 99       |
| 71) Anthracene                | 17.945 | 178  | 6797340  | 64.83  | nq    | 99       |
| 72) Carbazole                 | 18.204 | 167  | 7013070  | 75.71  | nq    | 97       |
| 73) Di-n-butylphthalate       | 18.745 | 149  | 8089345  | 78.87  | nq #  | 98       |
| 74) Fluoranthene              | 19.833 | 202  | 7649949  | 55.40  | nq    | 92       |
| 76) Benzidine                 | 19.998 | 184  | 3130073  | 73.50  | nq    | 96       |
| 77) Pyrene                    | 20.192 | 202  | 8158518  | 61.33  | nq    | 97       |
| 79) Butylbenzylphthalate      | 21.057 | 149  | 3663018  | 87.30  | nq    | 96       |
| 80) Benzo(a)anthracene        | 21.927 | 228  | 8007003  | 59.55  | nq    | 98       |
| 81) 3,3'-Dichlorobenzidine    | 21.845 | 252  | 2898864  | 55.65  | nq #  | 97       |
| 82) Chrysene                  | 21.986 | 228  | 7889113  | 60.75  | nq    | 97       |
| 83) Bis(2-ethylhexyl)phtha... | 21.839 | 149  | 5773683  | 97.05  | nq #  | 97       |
| 84) Di-n-octyl phthalate      | 22.810 | 149  | 9586003  | 101.58 | nq #  | 94       |
| 85) Indeno(1,2,3-cd)pyrene    | 27.045 | 276  | 10829352 | 65.93  | nq #  | 86       |
| 87) Benzo(b)fluoranthene      | 23.692 | 252  | 8685279  | 59.73  | nq #  | 96       |
| 88) Benzo(k)fluoranthene      | 23.745 | 252  | 8618367  | 59.83  | nq #  | 95       |
| 89) Benzo(a)pyrene            | 24.345 | 252  | 8491443  | 61.25  | nq #  | 95       |
| 90) Dibenzo(a,h)anthracene    | 27.062 | 278  | 9005357  | 63.50  | nq #  | 90       |
| 91) Benzo(g,h,i)perylene      | 27.839 | 276  | 9264829  | 65.82  | nq #  | 87       |
| -----                         |        |      |          |        |       |          |

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

