

Data Path : U:\HPCHEM1\BNA N\DATA\BN020118\  
 Data File : BN000006.D  
 Acq On : 01 Feb 2018 17:35  
 Operator : SJ/JU  
 Sample : SSTDICC050  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 01 18:11:49 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  | 341603   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 11.33 | 136  | 1799786  | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 15.09 | 164  | 1112738  | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 17.82 | 188  | 2481288  | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 21.95 | 240  | 2703118  | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 24.46 | 264  | 2975152  | 20.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |          |        |    |      |
|--------------------------|-------|-----|----------|--------|----|------|
| 5) 2-Fluorophenol        | 5.96  | 112 | 2410762  | 141.75 | ng | 0.00 |
| 7) Phenol-d6             | 7.60  | 99  | 3721799  | 163.99 | ng | 0.00 |
| 23) Nitrobenzene-d5      | 9.66  | 82  | 3329574  | 115.55 | ng | 0.00 |
| 41) 2,4,6-Tribromophenol | 16.56 | 330 | 1201647  | 56.73  | ng | 0.00 |
| 44) 2-Fluorobiphenyl     | 13.73 | 172 | 8136415  | 86.91  | ng | 0.00 |
| 78) Terphenyl-d14        | 20.38 | 244 | 10128977 | 80.27  | ng | 0.00 |

## Target Compounds

|                                |       |     |         |         |    | Qvalue |
|--------------------------------|-------|-----|---------|---------|----|--------|
| 2) 1,4-Dioxane                 | 3.67  | 88  | 449035  | 78.473  | ng | 96     |
| 3) Pyridine                    | 4.11  | 79  | 1526351 | 98.787  | ng | 98     |
| 4) n-Nitrosodimethylamine      | 4.02  | 42  | 439860  | 54.687  | ng | # 98   |
| 6) Aniline                     | 7.79  | 93  | 2539562 | 89.749  | ng | 92     |
| 8) 2-Chlorophenol              | 8.03  | 128 | 1354078 | 67.354  | ng | 88     |
| 9) Benzaldehyde                | 7.60  | 77  | 848283  | 72.368  | ng | 89     |
| 10) Phenol                     | 7.63  | 94  | 1907430 | 88.503  | ng | 86     |
| 11) bis(2-Chloroethyl)ether    | 7.89  | 93  | 1490380 | 90.757  | ng | # 82   |
| 12) 1,3-Dichlorobenzene        | 8.37  | 146 | 1462066 | 53.777  | ng | 100    |
| 13) 1,4-Dichlorobenzene        | 8.52  | 146 | 1488294 | 54.616  | ng | 97     |
| 14) 1,2-Dichlorobenzene        | 8.85  | 146 | 1483146 | 55.561  | ng | 96     |
| 15) Benzyl Alcohol             | 8.72  | 79  | 1404829 | 75.107  | ng | 90     |
| 16) 2,2'-oxybis(1-Chloropropan | 9.02  | 45  | 1620867 | 104.163 | ng | 79     |
| 17) 2-Methylphenol             | 8.92  | 107 | 1387667 | 79.276  | ng | 94     |
| 18) Hexachloroethane           | 9.59  | 117 | 527202  | 57.624  | ng | # 81   |
| 19) n-Nitroso-di-n-propylamine | 9.29  | 70  | 1288808 | 85.648  | ng | # 84   |
| 20) 3+4-Methylphenols          | 9.25  | 107 | 1966920 | 80.108  | ng | 94     |
| 22) Acetophenone               | 9.32  | 105 | 2721340 | 64.503  | ng | # 88   |
| 24) Nitrobenzene               | 9.70  | 77  | 1779563 | 63.868  | ng | # 93   |
| 25) Isophorone                 | 10.23 | 82  | 3726667 | 75.955  | ng | 97     |
| 26) 2-Nitrophenol              | 10.42 | 139 | 569871  | 33.834  | ng | 91     |
| 27) 2,4-Dimethylphenol         | 10.46 | 122 | 1486182 | 61.475  | ng | 94     |
| 28) bis(2-Chloroethoxy)methane | 10.71 | 93  | 2134801 | 79.346  | ng | 96     |
| 29) 2,4-Dichlorophenol         | 10.96 | 162 | 1372651 | 42.861  | ng | 96     |
| 30) 1,2,4-Trichlorobenzene     | 11.18 | 180 | 1478792 | 34.645  | ng | 96     |
| 31) Naphthalene                | 11.38 | 128 | 5091241 | 57.919  | ng | 98     |
| 32) Benzoic acid               | 10.59 | 122 | 906255  | 55.618  | ng | 91     |
| 33) 4-Chloroaniline            | 11.47 | 127 | 2459198 | 62.725  | ng | 95     |
| 34) Hexachlorobutadiene        | 11.66 | 225 | 763283  | 22.984  | ng | 98     |
| 35) Caprolactam                | 12.23 | 113 | 614929  | 66.886  | ng | 96     |
| 36) 4-Chloro-3-methylphenol    | 12.56 | 107 | 1809151 | 59.555  | ng | 98     |
| 37) 2-Methylnaphthalene        | 12.96 | 142 | 3655624 | 49.502  | ng | 97     |
| 39) 1,2,4,5-Tetrachlorobenzene | 13.31 | 216 | 1636980 | 31.446  | ng | # 97   |
| 40) Hexachlorocyclopentadiene  | 13.29 | 237 | 611369  | 18.796  | ng | 92     |

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| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 13.53 | 196  | 1049723  | 37.072 | nq    | 97       |
| 43) 2,4,5-Trichlorophenol      | 13.60 | 196  | 1239490  | 37.550 | nq    | # 93     |
| 45) 1,1'-Biphenyl              | 13.94 | 154  | 4944693  | 52.598 | nq    | 97       |
| 46) 2-Chloronaphthalene        | 13.99 | 162  | 3753837  | 50.946 | nq    | 96       |
| 47) 2-Nitroaniline             | 14.17 | 65   | 1007137  | 61.809 | nq    | # 81     |
| 48) Acenaphthylene             | 14.82 | 152  | 6342854  | 56.942 | nq    | 98       |
| 49) Dimethylphthalate          | 14.54 | 163  | 4992507  | 48.660 | nq    | 99       |
| 50) 2,6-Dinitrotoluene         | 14.66 | 165  | 983004   | 45.648 | nq    | 93       |
| 51) Acenaphthene               | 15.16 | 154  | 3980393  | 51.525 | nq    | 99       |
| 52) 3-Nitroaniline             | 14.99 | 138  | 1202197  | 63.914 | nq    | # 90     |
| 53) 2,4-Dinitrophenol          | 15.18 | 184  | 235552   | 19.494 | nq    | # 28     |
| 54) Dibenzofuran               | 15.49 | 168  | 5602331  | 48.996 | nq    | 95       |
| 55) 4-Nitrophenol              | 15.26 | 139  | 895067   | 63.562 | nq    | 88       |
| 56) 2,4-Dinitrotoluene         | 15.43 | 165  | 1324845  | 43.210 | nq    | 94       |
| 57) Fluorene                   | 16.13 | 166  | 4699783  | 49.464 | nq    | 97       |
| 58) 2,3,4,6-Tetrachlorophenol  | 15.70 | 232  | 1020004  | 31.331 | nq    | # 83     |
| 59) Diethylphthalate           | 15.89 | 149  | 5251444  | 52.553 | nq    | 98       |
| 60) 4-Chlorophenyl-phenylether | 16.12 | 204  | 2089748  | 34.879 | nq    | 91       |
| 61) 4-Nitroaniline             | 16.13 | 138  | 1275530  | 63.269 | nq    | 92       |
| 62) Azobenzene                 | 16.41 | 77   | 5239653  | 87.742 | nq    | 91       |
| 64) 4,6-Dinitro-2-methylphenol | 16.19 | 198  | 462527   | 24.952 | nq    | 89       |
| 65) n-Nitrosodiphenylamine     | 16.33 | 169  | 4206095  | 56.801 | nq    | 97       |
| 66) 4-Bromophenyl-phenylether  | 17.00 | 248  | 1219333  | 33.170 | nq    | # 85     |
| 67) Hexachlorobenzene          | 17.12 | 284  | 1372047  | 33.728 | nq    | # 89     |
| 68) Atrazine                   | 17.26 | 200  | 1322851  | 41.615 | nq    | 95       |
| 69) Pentachlorophenol          | 17.46 | 266  | 899165   | 35.284 | nq    | 99       |
| 70) Phenanthrene               | 17.86 | 178  | 7404126  | 53.508 | nq    | 98       |
| 71) Anthracene                 | 17.95 | 178  | 7486849  | 54.339 | nq    | 99       |
| 72) Carbazole                  | 18.20 | 167  | 7613811  | 62.543 | nq    | # 97     |
| 73) Di-n-butylphthalate        | 18.75 | 149  | 8871270  | 65.819 | nq    | # 98     |
| 74) Fluoranthene               | 19.83 | 202  | 8270139  | 45.574 | nq    | 91       |
| 76) Benzidine                  | 20.00 | 184  | 3544995  | 66.788 | nq    | 97       |
| 77) Pyrene                     | 20.19 | 202  | 8803611  | 53.100 | nq    | 95       |
| 79) Butylbenzylphthalate       | 21.06 | 149  | 3950144  | 75.536 | nq    | 98       |
| 80) Benzo(a)anthracene         | 21.93 | 228  | 8483411  | 50.623 | nq    | 99       |
| 81) 3,3'-Dichlorobenzidine     | 21.86 | 252  | 3083020  | 47.484 | nq    | # 98     |
| 82) Chrysene                   | 21.99 | 228  | 8375606  | 51.754 | nq    | 97       |
| 83) Bis(2-ethylhexyl)phthalate | 21.84 | 149  | 6135508  | 82.745 | nq    | # 97     |
| 84) Di-n-octyl phthalate       | 22.82 | 149  | 10042924 | 85.392 | nq    | # 95     |
| 85) Indeno(1,2,3-cd)pyrene     | 27.06 | 276  | 10988117 | 53.671 | nq    | # 86     |
| 87) Benzo(b)fluoranthene       | 23.70 | 252  | 8972519  | 49.912 | nq    | # 96     |
| 88) Benzo(k)fluoranthene       | 23.76 | 252  | 8985900  | 50.460 | nq    | # 94     |
| 89) Benzo(a)pyrene             | 24.36 | 252  | 8827710  | 51.509 | nq    | # 95     |
| 90) Dibenzo(a,h)anthracene     | 27.08 | 278  | 9152583  | 52.206 | nq    | # 90     |
| 91) Benzo(g,h,i)perylene       | 27.86 | 276  | 9330483  | 53.618 | nq    | # 87     |

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

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