

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP022825\  
 Data File : BP024136.D  
 Acq On : 28 Feb 2025 15:33  
 Operator : RC/JU  
 Sample : PB166907BS  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 PB166907BS

Quant Time: Feb 28 16:11:23 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP021725.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Feb 18 02:25:07 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.763  | 152  | 384945   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.540 | 136  | 1526080  | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 14.398 | 164  | 908283   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.198 | 188  | 1698626  | 20.000  | ng    | 0.01     |
| 76) Chrysene-d12              | 21.645 | 240  | 1762582  | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 25.051 | 264  | 1886973  | 20.000  | ng    | 0.02     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.375  | 112  | 3463047  | 140.373 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.952  | 99   | 4334182  | 136.691 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 8.910  | 82   | 2505493  | 91.593  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 15.910 | 330  | 1704325  | 153.192 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.010 | 172  | 5645608  | 86.895  | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.910 | 244  | 8353335  | 93.778  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.317  | 88   | 389780   | 40.276  | ng    | 99       |
| 3) Pyridine                   | 3.711  | 79   | 948986   | 37.716  | ng    | 99       |
| 4) n-Nitrosodimethylamine     | 3.617  | 42   | 364236   | 40.811  | ng    | 92       |
| 6) Aniline                    | 7.099  | 93   | 993960   | 34.230  | ng    | 99       |
| 8) 2-Chlorophenol             | 7.334  | 128  | 1149649  | 44.028  | ng    | 97       |
| 9) Benzaldehyde               | 6.911  | 77   | 415542   | 28.705  | ng    | 99       |
| 10) Phenol                    | 6.975  | 94   | 1421741  | 44.590  | ng    | 99       |
| 11) bis(2-Chloroethyl)ether   | 7.187  | 93   | 1061001  | 42.249  | ng    | 99       |
| 12) 1,3-Dichlorobenzene       | 7.652  | 146  | 1188846  | 41.443  | ng    | 99       |
| 13) 1,4-Dichlorobenzene       | 7.799  | 146  | 1206456  | 41.587  | ng    | 99       |
| 14) 1,2-Dichlorobenzene       | 8.111  | 146  | 1171776  | 42.088  | ng    | 99       |
| 15) Benzyl Alcohol            | 7.999  | 79   | 922957   | 47.553  | ng    | 100      |
| 16) 2,2'-oxybis(1-Chloropr... | 8.281  | 45   | 1124073  | 46.109  | ng    | 98       |
| 17) 2-Methylphenol            | 8.205  | 107  | 926030   | 47.659  | ng    | 99       |
| 18) Hexachloroethane          | 8.834  | 117  | 440369   | 42.150  | ng    | 99       |
| 19) n-Nitroso-di-n-propyla... | 8.563  | 70   | 778632   | 45.672  | ng    | 99       |
| 20) 3+4-Methylphenols         | 8.528  | 107  | 1261414  | 47.722  | ng    | 99       |
| 22) Acetophenone              | 8.575  | 105  | 1779694  | 45.382  | ng    | # 100    |
| 24) Nitrobenzene              | 8.952  | 77   | 1143653  | 42.482  | ng    | 99       |
| 25) Isophorone                | 9.475  | 82   | 2143913  | 47.927  | ng    | 99       |
| 26) 2-Nitrophenol             | 9.657  | 139  | 581554   | 46.889  | ng    | 97       |
| 27) 2,4-Dimethylphenol        | 9.722  | 122  | 945909   | 58.100  | ng    | 100      |
| 28) bis(2-Chloroethoxy)met... | 9.952  | 93   | 1381811  | 42.641  | ng    | 100      |
| 29) 2,4-Dichlorophenol        | 10.193 | 162  | 1017182  | 45.781  | ng    | 100      |
| 30) 1,2,4-Trichlorobenzene    | 10.405 | 180  | 1025297  | 40.276  | ng    | 99       |
| 31) Naphthalene               | 10.593 | 128  | 3298611  | 40.199  | ng    | 99       |
| 32) Benzoic acid              | 9.875  | 122  | 792166   | 46.627  | ng    | 99       |
| 33) 4-Chloroaniline           | 10.699 | 127  | 512216   | 17.719  | ng    | 99       |
| 34) Hexachlorobutadiene       | 10.881 | 225  | 607363   | 41.192  | ng    | 100      |
| 35) Caprolactam               | 11.493 | 113  | 370219   | 49.299  | ng    | 97       |
| 36) 4-Chloro-3-methylphenol   | 11.840 | 107  | 1062975  | 46.539  | ng    | 99       |
| 37) 2-Methylnaphthalene       | 12.204 | 142  | 2212842  | 40.573  | ng    | 99       |
| 38) 1-Methylnaphthalene       | 12.422 | 142  | 2149917  | 40.521  | ng    | 100      |
| 40) 1,2,4,5-Tetrachloroben... | 12.575 | 216  | 1267310  | 45.411  | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 12.557 | 237  | 1319497  | 127.062 | ng    | 99       |
| 43) 2,4,6-Trichlorophenol     | 12.822 | 196  | 776322   | 45.614  | ng    | 100      |

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| 44) 2,4,5-Trichlorophenol     | 12.893 | 196  | 846658   | 45.487  | ng    | 98       |
| 46) 1,1'-Biphenyl             | 13.222 | 154  | 3184481  | 45.119  | ng    | 99       |
| 47) 2-Chloronaphthalene       | 13.263 | 162  | 2197413  | 41.185  | ng    | 100      |
| 48) 2-Nitroaniline            | 13.469 | 65   | 623603   | 49.479  | ng    | 95       |
| 49) Acenaphthylene            | 14.116 | 152  | 3547406  | 45.128  | ng    | 100      |
| 50) Dimethylphthalate         | 13.851 | 163  | 2744946  | 42.844  | ng    | 100      |
| 51) 2,6-Dinitrotoluene        | 13.969 | 165  | 595306   | 45.614  | ng    | 94       |
| 52) Acenaphthene              | 14.463 | 154  | 2131033  | 42.098  | ng    | 98       |
| 53) 3-Nitroaniline            | 14.298 | 138  | 353355   | 25.373  | ng    | 98       |
| 54) 2,4-Dinitrophenol         | 14.510 | 184  | 750152   | 86.484  | ng    | 93       |
| 55) Dibenzofuran              | 14.804 | 168  | 3312528  | 40.282  | ng    | 98       |
| 56) 4-Nitrophenol             | 14.634 | 139  | 1251094  | 103.998 | ng    | 95       |
| 57) 2,4-Dinitrotoluene        | 14.769 | 165  | 845072   | 49.846  | ng    | 97       |
| 58) Fluorene                  | 15.463 | 166  | 2701747  | 42.069  | ng    | 100      |
| 59) 2,3,4,6-Tetrachlorophenol | 15.034 | 232  | 728577   | 45.116  | ng    | 98       |
| 60) Diethylphthalate          | 15.234 | 149  | 2762425  | 43.434  | ng    | 99       |
| 61) 4-Chlorophenyl-phenyle... | 15.457 | 204  | 1321017  | 41.790  | ng    | 98       |
| 62) 4-Nitroaniline            | 15.481 | 138  | 659464   | 40.546  | ng    | 95       |
| 63) Azobenzene                | 15.757 | 77   | 2532213  | 42.488  | ng    | 98       |
| 65) 4,6-Dinitro-2-methylph... | 15.545 | 198  | 452915   | 42.321  | ng    | 94       |
| 66) n-Nitrosodiphenylamine    | 15.675 | 169  | 2337740  | 44.132  | ng    | 100      |
| 67) 4-Bromophenyl-phenylether | 16.369 | 248  | 827388   | 43.376  | ng    | 96       |
| 68) Hexachlorobenzene         | 16.487 | 284  | 990731   | 44.141  | ng    | 97       |
| 69) Atrazine                  | 16.651 | 200  | 927386   | 68.220  | ng    | 98       |
| 70) Pentachlorophenol         | 16.845 | 266  | 1416987  | 97.203  | ng    | 100      |
| 71) Phenanthrene              | 17.239 | 178  | 4075908  | 42.561  | ng    | 100      |
| 72) Anthracene                | 17.328 | 178  | 4174859  | 45.491  | ng    | 100      |
| 73) Carbazole                 | 17.610 | 167  | 3952334  | 45.201  | ng    | 100      |
| 74) Di-n-butylphthalate       | 18.198 | 149  | 4785898  | 46.909  | ng    | 99       |
| 75) Fluoranthene              | 19.322 | 202  | 4685867  | 43.260  | ng    | 100      |
| 77) Benzidine                 | 19.516 | 184  | 1817476  | 84.620  | ng    | 99       |
| 78) Pyrene                    | 19.698 | 202  | 4905742  | 43.818  | ng    | 100      |
| 80) Butylbenzylphthalate      | 20.645 | 149  | 2163140  | 50.421  | ng    | 95       |
| 81) Benzo(a)anthracene        | 21.627 | 228  | 4886428  | 44.212  | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 21.551 | 252  | 1294829  | 37.492  | ng    | 99       |
| 83) Chrysene                  | 21.698 | 228  | 4562320  | 42.809  | ng    | 100      |
| 84) Bis(2-ethylhexyl)phtha... | 21.569 | 149  | 3281730  | 50.443  | ng    | 99       |
| 85) Di-n-octyl phthalate      | 22.863 | 149  | 5648291  | 54.316  | ng    | 98       |
| 87) Indeno(1,2,3-cd)pyrene    | 28.904 | 276  | 5877498m | 43.783  | ng    |          |
| 88) Benzo(b)fluoranthene      | 23.968 | 252  | 4895584  | 40.855  | ng    | 100      |
| 89) Benzo(k)fluoranthene      | 24.039 | 252  | 5009970  | 42.954  | ng    | 100      |
| 90) Benzo(a)pyrene            | 24.886 | 252  | 4693073  | 46.149  | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 28.980 | 278  | 4903643  | 43.444  | ng    | 99       |
| 92) Benzo(g,h,i)perylene      | 30.103 | 276  | 4595150  | 40.119  | ng    | 99       |

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

