

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG011124\  
 Data File : BG060310.D  
 Acq On : 11 Jan 2024 15:19  
 Operator : MA/JU  
 Sample : P1100-01MSD  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 COMP-1MSD

Quant Time: Jan 11 16:11:21 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG010824.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jan 09 04:07:12 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.928  | 152  | 247670   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.731 | 136  | 968063   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 14.567 | 164  | 711972   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.317 | 188  | 1806213  | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 21.583 | 240  | 1717708  | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 24.744 | 264  | 1940423  | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.501  | 112  | 1643009  | 109.113 | ng    | 0.00     |
| 7) Phenol-d6                  | 7.094  | 99   | 2452306  | 109.983 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.091  | 82   | 1389784  | 67.791  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.060 | 330  | 1077133  | 102.827 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.186 | 172  | 3259522  | 63.651  | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.932 | 244  | 4859940  | 65.430  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.404  | 88   | 270219   | 39.286  | ng    | 96       |
| 3) Pyridine                   | 3.797  | 79   | 702584   | 36.203  | ng    | 93       |
| 4) n-Nitrosodimethylamine     | 3.715  | 42   | 271628   | 44.722  | ng    | 90       |
| 6) Aniline                    | 7.252  | 93   | 820782   | 36.828  | ng    | 98       |
| 8) 2-Chlorophenol             | 7.493  | 128  | 705381   | 47.268  | ng    | 96       |
| 9) Benzaldehyde               | 7.064  | 77   | 145686m  | 11.383  | ng    |          |
| 10) Phenol                    | 7.123  | 94   | 1174566  | 52.540  | ng    | 99       |
| 11) bis(2-Chloroethyl)ether   | 7.346  | 93   | 796427   | 43.719  | ng    | 98       |
| 12) 1,3-Dichlorobenzene       | 7.816  | 146  | 753960   | 40.251  | ng    | 98       |
| 13) 1,4-Dichlorobenzene       | 7.963  | 146  | 790508   | 41.595  | ng    | 99       |
| 14) 1,2-Dichlorobenzene       | 8.280  | 146  | 779412   | 39.883  | ng    | 99       |
| 15) Benzyl Alcohol            | 8.169  | 79   | 692043   | 47.947  | ng    | 98       |
| 16) 2,2'-oxybis(1-Chloropr... | 8.457  | 45   | 909646m  | 41.141  | ng    |          |
| 17) 2-Methylphenol            | 8.369  | 107  | 679817   | 44.273  | ng    | 96       |
| 18) Hexachloroethane          | 9.009  | 117  | 269374   | 40.426  | ng    | 98       |
| 19) n-Nitroso-di-n-propyla... | 8.733  | 70   | 638156   | 41.353  | ng    | 99       |
| 20) 3+4-Methylphenols         | 8.698  | 107  | 938533   | 45.333  | ng    | 96       |
| 22) Acetophenone              | 8.750  | 105  | 1210096  | 45.474  | ng    | # 99     |
| 24) Nitrobenzene              | 9.132  | 77   | 908898   | 42.767  | ng    | 98       |
| 25) Isophorone                | 9.649  | 82   | 1712407  | 41.593  | ng    | 98       |
| 26) 2-Nitrophenol             | 9.843  | 139  | 376899   | 48.234  | ng    | 98       |
| 27) 2,4-Dimethylphenol        | 9.902  | 122  | 586496   | 56.802  | ng    | 94       |
| 28) bis(2-Chloroethoxy)met... | 10.137 | 93   | 1068377  | 42.471  | ng    | 100      |
| 29) 2,4-Dichlorophenol        | 10.378 | 162  | 815165   | 48.719  | ng    | 96       |
| 30) 1,2,4-Trichlorobenzene    | 10.595 | 180  | 879359   | 42.244  | ng    | 96       |
| 31) Naphthalene               | 10.783 | 128  | 2151035  | 42.389  | ng    | 98       |
| 32) Benzoic acid              | 10.037 | 122  | 328709   | 38.589  | ng    | 90       |
| 33) 4-Chloroaniline           | 10.889 | 127  | 552787   | 28.272  | ng    | 97       |
| 34) Hexachlorobutadiene       | 11.065 | 225  | 540357   | 39.849  | ng    | 99       |
| 35) Caprolactam               | 11.665 | 113  | 273989m  | 50.841  | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 12.017 | 107  | 814319   | 47.907  | ng    | 98       |
| 37) 2-Methylnaphthalene       | 12.387 | 142  | 1589166  | 42.225  | ng    | 98       |
| 38) 1-Methylnaphthalene       | 12.611 | 142  | 1574576  | 41.664  | ng    | 100      |
| 40) 1,2,4,5-Tetrachloroben... | 12.758 | 216  | 1116281  | 44.146  | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 12.734 | 237  | 1051183  | 125.214 | ng    | 98       |
| 43) 2,4,6-Trichlorophenol     | 12.998 | 196  | 727578   | 45.214  | ng    | 99       |

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| 44) 2,4,5-Trichlorophenol     | 13.075 | 196  | 837531   | 47.188  | ng    | 98       |
| 46) 1,1'-Biphenyl             | 13.398 | 154  | 2345699  | 43.647  | ng    | 99       |
| 47) 2-Chloronaphthalene       | 13.445 | 162  | 1933200  | 41.989  | ng    | 99       |
| 48) 2-Nitroaniline            | 13.645 | 65   | 575580   | 50.200  | ng    | 98       |
| 49) Acenaphthylene            | 14.291 | 152  | 3021248  | 47.653  | ng    | 98       |
| 50) Dimethylphthalate         | 14.021 | 163  | 2363833  | 43.447  | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 14.144 | 165  | 539998   | 46.513  | ng    | 97       |
| 52) Acenaphthene              | 14.632 | 154  | 1732706  | 43.890  | ng    | 99       |
| 53) 3-Nitroaniline            | 14.473 | 138  | 383103   | 36.215  | ng    | 100      |
| 54) 2,4-Dinitrophenol         | 14.679 | 184  | 400574   | 59.386  | ng    | 98       |
| 55) Dibenzofuran              | 14.967 | 168  | 3005642  | 45.607  | ng    | 98       |
| 56) 4-Nitrophenol             | 14.785 | 139  | 882680   | 112.493 | ng    | 99       |
| 57) 2,4-Dinitrotoluene        | 14.926 | 165  | 771223   | 48.444  | ng    | 97       |
| 58) Fluorene                  | 15.613 | 166  | 2439425  | 44.698  | ng    | 97       |
| 59) 2,3,4,6-Tetrachlorophenol | 15.190 | 232  | 775928   | 51.482  | ng    | 99       |
| 60) Diethylphthalate          | 15.384 | 149  | 2289446  | 43.831  | ng    | 99       |
| 61) 4-Chlorophenyl-phenyle... | 15.607 | 204  | 1278201  | 42.516  | ng    | 99       |
| 62) 4-Nitroaniline            | 15.642 | 138  | 547505   | 48.629  | ng    | 96       |
| 63) Azobenzene                | 15.901 | 77   | 2358343  | 44.640  | ng    | 99       |
| 65) 4,6-Dinitro-2-methylph... | 15.695 | 198  | 416077   | 41.640  | ng    | 94       |
| 66) n-Nitrosodiphenylamine    | 15.825 | 169  | 2178433  | 45.422  | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 16.500 | 248  | 843863   | 42.519  | ng    | # 94     |
| 68) Hexachlorobenzene         | 16.618 | 284  | 988380   | 42.072  | ng    | 96       |
| 69) Atrazine                  | 16.770 | 200  | 898882   | 49.706  | ng    | 98       |
| 70) Pentachlorophenol         | 16.964 | 266  | 1187020  | 93.739  | ng    | 95       |
| 71) Phenanthrene              | 17.358 | 178  | 3960184  | 45.361  | ng    | 98       |
| 72) Anthracene                | 17.446 | 178  | 3992349  | 45.803  | ng    | 98       |
| 73) Carbazole                 | 17.722 | 167  | 3681665  | 44.803  | ng    | 99       |
| 74) Di-n-butylphthalate       | 18.275 | 149  | 3772319  | 44.616  | ng    | 99       |
| 75) Fluoranthene              | 19.373 | 202  | 4545056  | 43.344  | ng    | 99       |
| 77) Benzidine                 | 19.555 | 184  | 2192784  | 58.760  | ng    | 99       |
| 78) Pyrene                    | 19.732 | 202  | 4684047  | 42.702  | ng    | 99       |
| 80) Butylbenzylphthalate      | 20.625 | 149  | 1853458  | 49.113  | ng    | 96       |
| 81) Benzo(a)anthracene        | 21.559 | 228  | 4740407  | 44.578  | ng    | 97       |
| 82) 3,3'-Dichlorobenzidine    | 21.477 | 252  | 1319002  | 32.389  | ng    | 99       |
| 83) Chrysene                  | 21.624 | 228  | 4477998  | 42.817  | ng    | 98       |
| 84) Bis(2-ethylhexyl)phtha... | 21.465 | 149  | 2712464  | 47.564  | ng    | 98       |
| 85) Di-n-octyl phthalate      | 22.658 | 149  | 4529021  | 49.008  | ng    | 100      |
| 87) Indeno(1,2,3-cd)pyrene    | 28.357 | 276  | 6173248  | 45.755  | ng    | # 94     |
| 88) Benzo(b)fluoranthene      | 23.739 | 252  | 5136885  | 44.812  | ng    | 100      |
| 89) Benzo(k)fluoranthene      | 23.809 | 252  | 4926236  | 43.549  | ng    | 99       |
| 90) Benzo(a)pyrene            | 24.597 | 252  | 4698094  | 45.369  | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 28.422 | 278  | 5123013  | 46.495  | ng    | 100      |
| 92) Benzo(g,h,i)perylene      | 29.491 | 276  | 4871965  | 43.142  | ng    | 98       |

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

