

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG080323\  
 Data File : BG058593.D  
 Acq On : 3 Aug 2023 14:59  
 Operator : MA/JU  
 Sample : 03815-04MSD  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 BUILDING-B-21-(0-5)MSD

Quant Time: Aug 03 15:41:24 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG072823.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jul 28 22:29:07 2023  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/04/2023  
 Supervised By :mohammad ahmed 08/04/2023

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.808  | 152  | 48665    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.610 | 136  | 209775   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 14.459 | 164  | 145224   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.209 | 188  | 333451   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 21.451 | 240  | 278737   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 24.518 | 264  | 361001   | 20.000  | ng    | 0.00     |
|                               |        |      |          |         |       |          |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.387  | 112  | 371724   | 116.750 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.985  | 99   | 514983   | 116.239 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 8.977  | 82   | 305503   | 71.543  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 15.951 | 330  | 246023   | 103.357 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.078 | 172  | 675351   | 69.691  | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.823 | 244  | 1124587  | 75.871  | ng    | 0.00     |
|                               |        |      |          |         |       |          |
| Target Compounds              |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.266  | 88   | 63188    | 40.956  | ng    | 100      |
| 3) Pyridine                   | 3.660  | 79   | 158726   | 37.735  | ng    | 98       |
| 4) n-Nitrosodimethylamine     | 3.583  | 42   | 83478    | 46.839  | ng    | 99       |
| 6) Aniline                    | 7.138  | 93   | 166258   | 30.480  | ng    | 98       |
| 8) 2-Chlorophenol             | 7.379  | 128  | 174386   | 55.830  | ng    | 99       |
| 9) Benzaldehyde               | 6.950  | 77   | 101240   | 42.060  | ng    | 98       |
| 10) Phenol                    | 7.015  | 94   | 237977   | 54.988  | ng    | 98       |
| 11) bis(2-Chloroethyl)ether   | 7.232  | 93   | 168205   | 49.300  | ng    | 97       |
| 12) 1,3-Dichlorobenzene       | 7.702  | 146  | 175062   | 52.487  | ng    | 97       |
| 13) 1,4-Dichlorobenzene       | 7.849  | 146  | 176059   | 52.571  | ng    | 99       |
| 14) 1,2-Dichlorobenzene       | 8.160  | 146  | 172378   | 53.837  | ng    | 99       |
| 15) Benzyl Alcohol            | 8.055  | 79   | 165309   | 58.836  | ng    | 97       |
| 16) 2,2'-oxybis(1-Chloropr... | 8.342  | 45   | 288734   | 52.097  | ng    | 99       |
| 17) 2-Methylphenol            | 8.260  | 107  | 159058   | 50.265  | ng    | 99       |
| 18) Hexachloroethane          | 8.889  | 117  | 65010    | 53.407  | ng    | 95       |
| 19) n-Nitroso-di-n-propyla... | 8.619  | 70   | 137428   | 48.023  | ng    | 99       |
| 20) 3+4-Methylphenols         | 8.589  | 107  | 222994   | 52.098  | ng    | 98       |
| 22) Acetophenone              | 8.636  | 105  | 270329   | 48.127  | ng    | 99       |
| 24) Nitrobenzene              | 9.018  | 77   | 206538   | 47.576  | ng    | 98       |
| 25) Isophorone                | 9.535  | 82   | 398494   | 45.165  | ng    | 100      |
| 26) 2-Nitrophenol             | 9.729  | 139  | 96529    | 51.081  | ng    | 100      |
| 27) 2,4-Dimethylphenol        | 9.794  | 122  | 154080   | 49.156  | ng    | 98       |
| 28) bis(2-Chloroethoxy)met... | 10.023 | 93   | 231401   | 48.193  | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 10.270 | 162  | 173124   | 53.194  | ng    | 98       |
| 30) 1,2,4-Trichlorobenzene    | 10.475 | 180  | 189793   | 50.567  | ng    | 98       |
| 31) Naphthalene               | 10.663 | 128  | 532863   | 48.195  | ng    | 99       |
| 32) Benzoic acid              | 9.964  | 122  | 127271   | 52.693  | ng    | 97       |
| 33) 4-Chloroaniline           | 10.775 | 127  | 115414   | 24.707  | ng    | 98       |
| 34) Hexachlorobutadiene       | 10.945 | 225  | 118796   | 49.148  | ng    | 98       |
| 35) Caprolactam               | 11.562 | 113  | 57425m   | 47.781  | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 11.915 | 107  | 205468   | 51.035  | ng    | 98       |
| 37) 2-Methylnaphthalene       | 12.279 | 142  | 369362   | 46.703  | ng    | 98       |
| 38) 1-Methylnaphthalene       | 12.496 | 142  | 355336   | 47.265  | ng    | 100      |
| 40) 1,2,4,5-Tetrachloroben... | 12.649 | 216  | 219988   | 49.341  | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 12.626 | 237  | 142198   | 69.632  | ng    | 97       |
| 43) 2,4,6-Trichlorophenol     | 12.896 | 196  | 157986   | 51.518  | ng    | 96       |

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|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 12.972 | 196  | 170173   | 47.113 | ng    | 98       |
| 46) 1,1'-Biphenyl             | 13.296 | 154  | 483554   | 48.485 | ng    | 99       |
| 47) 2-Chloronaphthalene       | 13.337 | 162  | 394795   | 50.770 | ng    | 100      |
| 48) 2-Nitroaniline            | 13.542 | 65   | 146244   | 49.272 | ng    | 98       |
| 49) Acenaphthylene            | 14.183 | 152  | 642107   | 49.320 | ng    | 99       |
| 50) Dimethylphthalate         | 13.918 | 163  | 503102   | 46.128 | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 14.042 | 165  | 114188   | 47.715 | ng    | 98       |
| 52) Acenaphthene              | 14.523 | 154  | 363257   | 48.288 | ng    | 98       |
| 53) 3-Nitroaniline            | 14.377 | 138  | 89909    | 37.551 | ng    | 97       |
| 54) 2,4-Dinitrophenol         | 14.588 | 184  | 98215    | 73.476 | ng    | 97       |
| 55) Dibenzofuran              | 14.858 | 168  | 609824   | 47.176 | ng    | 99       |
| 56) 4-Nitrophenol             | 14.694 | 139  | 173809   | 97.220 | ng    | 97       |
| 57) 2,4-Dinitrotoluene        | 14.835 | 165  | 160735   | 48.447 | ng    | 97       |
| 58) Fluorene                  | 15.511 | 166  | 485010   | 47.231 | ng    | 100      |
| 59) 2,3,4,6-Tetrachlorophenol | 15.093 | 232  | 149795   | 48.600 | ng    | 99       |
| 60) Diethylphthalate          | 15.281 | 149  | 505472   | 45.492 | ng    | 100      |
| 61) 4-Chlorophenyl-phenyle... | 15.499 | 204  | 266766   | 46.596 | ng    | 98       |
| 62) 4-Nitroaniline            | 15.540 | 138  | 110715   | 48.814 | ng    | 97       |
| 63) Azobenzene                | 15.793 | 77   | 510181   | 46.617 | ng    | 99       |
| 65) 4,6-Dinitro-2-methylph... | 15.599 | 198  | 78542    | 42.718 | ng    | 99       |
| 66) n-Nitrosodiphenylamine    | 15.722 | 169  | 424114   | 48.868 | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 16.398 | 248  | 182093   | 48.147 | ng    | 99       |
| 68) Hexachlorobenzene         | 16.515 | 284  | 204493   | 51.025 | ng    | 100      |
| 69) Atrazine                  | 16.668 | 200  | 168509   | 57.516 | ng    | 99       |
| 70) Pentachlorophenol         | 16.862 | 266  | 205986   | 84.916 | ng    | 97       |
| 71) Phenanthrene              | 17.250 | 178  | 763750   | 48.297 | ng    | 100      |
| 72) Anthracene                | 17.338 | 178  | 770027   | 47.456 | ng    | 99       |
| 73) Carbazole                 | 17.614 | 167  | 712457   | 49.792 | ng    | 99       |
| 74) Di-n-butylphthalate       | 18.166 | 149  | 888494   | 49.575 | ng    | 100      |
| 75) Fluoranthene              | 19.265 | 202  | 926582   | 48.779 | ng    | 100      |
| 77) Benzidine                 | 19.447 | 184  | 346382   | 81.949 | ng    | 98       |
| 78) Pyrene                    | 19.629 | 202  | 958200   | 50.512 | ng    | 100      |
| 80) Butylbenzylphthalate      | 20.516 | 149  | 399366   | 51.254 | ng    | 97       |
| 81) Benzo(a)anthracene        | 21.433 | 228  | 967666   | 50.445 | ng    | 100      |
| 82) 3,3'-Dichlorobenzidine    | 21.351 | 252  | 256198   | 39.502 | ng    | 100      |
| 83) Chrysene                  | 21.498 | 228  | 891743   | 48.486 | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 21.333 | 149  | 571122   | 50.157 | ng    | 99       |
| 85) Di-n-octyl phthalate      | 22.485 | 149  | 1018545  | 50.879 | ng    | 100      |
| 87) Indeno(1,2,3-cd)pyrene    | 28.019 | 276  | 1195708  | 49.787 | ng    | 99       |
| 88) Benzo(b)fluoranthene      | 23.548 | 252  | 1021066  | 52.149 | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 23.613 | 252  | 982978   | 49.974 | ng    | 100      |
| 90) Benzo(a)pyrene            | 24.377 | 252  | 921081   | 47.901 | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 28.072 | 278  | 1014966  | 51.111 | ng    | 99       |
| 92) Benzo(g,h,i)perylene      | 29.112 | 276  | 940540   | 47.233 | ng    | 98       |

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

