

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG010324\  
 Data File : BG060229.D  
 Acq On : 3 Jan 2024 16:14  
 Operator : MA/JU  
 Sample : PB158159BS  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

## Instrument :

BNA\_G

## ClientSampleId :

PB158159BS

## Manual Integrations

## APPROVED

Reviewed By :Yogesh Patel 01/04/2024

Supervised By :mohammad ahmed 01/04/2024

Quant Time: Jan 03 16:47:59 2024

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG122923.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Sat Dec 30 03:14:04 2023

Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.936  | 152  | 226386   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.738 | 136  | 999565   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 14.575 | 164  | 782887   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.325 | 188  | 1960100  | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 21.590 | 240  | 1749292  | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 24.763 | 264  | 1866008  | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.509  | 112  | 1864460  | 124.306 | ng    | 0.00     |
| 7) Phenol-d6                  | 7.101  | 99   | 2789877  | 125.275 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.099  | 82   | 1631546  | 75.394  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.067 | 330  | 1346700  | 128.505 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.200 | 172  | 3904645  | 71.681  | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.945 | 244  | 5520952  | 60.676  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.406  | 88   | 195204   | 29.252  | ng    | 97       |
| 3) Pyridine                   | 3.799  | 79   | 494167   | 26.111  | ng    | 97       |
| 4) n-Nitrosodimethylamine     | 3.717  | 42   | 241839   | 34.254  | ng    | # 97     |
| 6) Aniline                    | 7.260  | 93   | 866161   | 38.819  | ng    | 96       |
| 8) 2-Chlorophenol             | 7.501  | 128  | 633465   | 43.945  | ng    | 97       |
| 9) Benzaldehyde               | 7.072  | 77   | 332485   | 24.832  | ng    | 94       |
| 10) Phenol                    | 7.131  | 94   | 1010666  | 45.003  | ng    | 97       |
| 11) bis(2-Chloroethyl)ether   | 7.354  | 93   | 702337   | 38.648  | ng    | 96       |
| 12) 1,3-Dichlorobenzene       | 7.824  | 146  | 629693   | 35.387  | ng    | 98       |
| 13) 1,4-Dichlorobenzene       | 7.971  | 146  | 651514   | 36.216  | ng    | 98       |
| 14) 1,2-Dichlorobenzene       | 8.288  | 146  | 655942   | 37.297  | ng    | 98       |
| 15) Benzyl Alcohol            | 8.171  | 79   | 652890   | 47.232  | ng    | 94       |
| 16) 2,2'-oxybis(1-Chloropr... | 8.459  | 45   | 911411m  | 39.078  | ng    |          |
| 17) 2-Methylphenol            | 8.376  | 107  | 650544   | 46.262  | ng    | 99       |
| 18) Hexachloroethane          | 9.017  | 117  | 223509   | 39.449  | ng    | 97       |
| 19) n-Nitroso-di-n-propyla... | 8.741  | 70   | 605207   | 39.780  | ng    | 98       |
| 20) 3+4-Methylphenols         | 8.705  | 107  | 894559   | 44.885  | ng    | 97       |
| 22) Acetophenone              | 8.758  | 105  | 1093292  | 36.917  | ng    | # 97     |
| 24) Nitrobenzene              | 9.140  | 77   | 841429   | 38.003  | ng    | 98       |
| 25) Isophorone                | 9.657  | 82   | 1680950  | 37.127  | ng    | 100      |
| 26) 2-Nitrophenol             | 9.851  | 139  | 359258   | 46.499  | ng    | 98       |
| 27) 2,4-Dimethylphenol        | 9.910  | 122  | 669319   | 61.158  | ng    | 96       |
| 28) bis(2-Chloroethoxy)met... | 10.145 | 93   | 1033972  | 38.991  | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 10.386 | 162  | 785463   | 45.412  | ng    | 98       |
| 30) 1,2,4-Trichlorobenzene    | 10.603 | 180  | 760207   | 36.111  | ng    | 98       |
| 31) Naphthalene               | 10.791 | 128  | 1969698  | 37.326  | ng    | 100      |
| 32) Benzoic acid              | 10.057 | 122  | 427380   | 44.618  | ng    | 93       |
| 33) 4-Chloroaniline           | 10.897 | 127  | 530526   | 25.742  | ng    | 98       |
| 34) Hexachlorobutadiene       | 11.073 | 225  | 442118   | 35.311  | ng    | 98       |
| 35) Caprolactam               | 11.672 | 113  | 267509m  | 46.494  | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 12.025 | 107  | 793964   | 44.603  | ng    | 98       |
| 37) 2-Methylnaphthalene       | 12.401 | 142  | 1515020  | 39.747  | ng    | 99       |
| 38) 1-Methylnaphthalene       | 12.618 | 142  | 1436484  | 37.275  | ng    | 98       |
| 40) 1,2,4,5-Tetrachloroben... | 12.765 | 216  | 954966   | 38.081  | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 12.748 | 237  | 965380   | 119.099 | ng    | 98       |
| 43) 2,4,6-Trichlorophenol     | 13.006 | 196  | 700566   | 42.512  | ng    | 98       |

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 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 13.083 | 196  | 797314   | 43.250 | ng    | 97       |
| 46) 1,1'-Biphenyl             | 13.406 | 154  | 2252855  | 39.112 | ng    | 99       |
| 47) 2-Chloronaphthalene       | 13.453 | 162  | 1855409  | 37.809 | ng    | 100      |
| 48) 2-Nitroaniline            | 13.658 | 65   | 603839   | 47.084 | ng    | 96       |
| 49) Acenaphthylene            | 14.299 | 152  | 2852616  | 40.344 | ng    | 99       |
| 50) Dimethylphthalate         | 14.029 | 163  | 2438821  | 40.348 | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 14.152 | 165  | 551839   | 43.893 | ng    | 97       |
| 52) Acenaphthene              | 14.640 | 154  | 1716851  | 38.911 | ng    | 98       |
| 53) 3-Nitroaniline            | 14.481 | 138  | 386511   | 32.627 | ng    | 97       |
| 54) 2,4-Dinitrophenol         | 14.687 | 184  | 643977   | 87.139 | ng    | 100      |
| 55) Dibenzofuran              | 14.974 | 168  | 2927873  | 39.615 | ng    | 98       |
| 56) 4-Nitrophenol             | 14.792 | 139  | 885510   | 98.889 | ng    | 98       |
| 57) 2,4-Dinitrotoluene        | 14.939 | 165  | 779815   | 45.615 | ng    | # 99     |
| 58) Fluorene                  | 15.621 | 166  | 2405429  | 39.682 | ng    | 100      |
| 59) 2,3,4,6-Tetrachlorophenol | 15.198 | 232  | 729289   | 45.387 | ng    | 99       |
| 60) Diethylphthalate          | 15.392 | 149  | 2394226  | 41.536 | ng    | 100      |
| 61) 4-Chlorophenyl-phenyle... | 15.615 | 204  | 1260863  | 39.947 | ng    | 98       |
| 62) 4-Nitroaniline            | 15.650 | 138  | 547195   | 43.825 | ng    | 96       |
| 63) Azobenzene                | 15.909 | 77   | 2434743  | 40.741 | ng    | 99       |
| 65) 4,6-Dinitro-2-methylph... | 15.697 | 198  | 477829   | 48.719 | ng    | 92       |
| 66) n-Nitrosodiphenylamine    | 15.832 | 169  | 2182186  | 41.315 | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 16.508 | 248  | 829229   | 39.903 | ng    | 97       |
| 68) Hexachlorobenzene         | 16.625 | 284  | 928710   | 38.116 | ng    | 96       |
| 69) Atrazine                  | 16.784 | 200  | 1254307  | 64.613 | ng    | 99       |
| 70) Pentachlorophenol         | 16.972 | 266  | 1087139  | 81.220 | ng    | 98       |
| 71) Phenanthrene              | 17.366 | 178  | 3891825  | 40.169 | ng    | 96       |
| 72) Anthracene                | 17.454 | 178  | 3906680  | 40.594 | ng    | 94       |
| 73) Carbazole                 | 17.730 | 167  | 3650782  | 39.997 | ng    | 97       |
| 74) Di-n-butylphthalate       | 18.288 | 149  | 3740848  | 42.291 | ng    | 97       |
| 75) Fluoranthene              | 19.381 | 202  | 4284076  | 37.697 | ng    | 94       |
| 77) Benzidine                 | 19.563 | 184  | 1424446  | 29.422 | ng    | 98       |
| 78) Pyrene                    | 19.745 | 202  | 4457097  | 37.904 | ng    | 94       |
| 80) Butylbenzylphthalate      | 20.633 | 149  | 1788291  | 51.576 | ng    | 99       |
| 81) Benzo(a)anthracene        | 21.573 | 228  | 4421181  | 39.751 | ng    | 96       |
| 82) 3,3'-Dichlorobenzidine    | 21.490 | 252  | 1439134  | 35.582 | ng    | 100      |
| 83) Chrysene                  | 21.637 | 228  | 4213898  | 38.998 | ng    | 95       |
| 84) Bis(2-ethylhexyl)phtha... | 21.479 | 149  | 2616083  | 49.754 | ng    | 98       |
| 85) Di-n-octyl phthalate      | 22.671 | 149  | 4406809  | 51.201 | ng    | 100      |
| 87) Indeno(1,2,3-cd)pyrene    | 28.382 | 276  | 5810619  | 44.168 | ng    | # 93     |
| 88) Benzo(b)fluoranthene      | 23.758 | 252  | 4712269  | 42.023 | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 23.829 | 252  | 4889471  | 43.322 | ng    | 98       |
| 90) Benzo(a)pyrene            | 24.616 | 252  | 4330021  | 42.681 | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 28.459 | 278  | 4782923  | 44.247 | ng    | 98       |
| 92) Benzo(g,h,i)perylene      | 29.528 | 276  | 4714122  | 43.055 | ng    | 99       |

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

