

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG040824\  
 Data File : BG060827.D  
 Acq On : 8 Apr 2024 15:51  
 Operator : MA/JU  
 Sample : PB160028BS  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

## Instrument :

BNA\_G

## ClientSampleId :

PB160028BS

## Manual Integrations

## APPROVED

Reviewed By :Yogesh Patel 04/10/2024

Supervised By :mohammad ahmed 04/10/2024

Quant Time: Apr 10 00:32:55 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG032924.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Mar 30 03:12:26 2024  
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

## Internal Standards

|                           |        |     |        |        |    |       |
|---------------------------|--------|-----|--------|--------|----|-------|
| 1) 1,4-Dichlorobenzene-d4 | 7.950  | 152 | 51158  | 20.000 | ng | -0.01 |
| 21) Naphthalene-d8        | 10.747 | 136 | 221568 | 20.000 | ng | -0.01 |
| 39) Acenaphthene-d10      | 14.578 | 164 | 173046 | 20.000 | ng | -0.01 |
| 64) Phenanthrene-d10      | 17.327 | 188 | 426343 | 20.000 | ng | -0.01 |
| 76) Chrysene-d12          | 21.593 | 240 | 395594 | 20.000 | ng | -0.01 |
| 86) Perylene-d12          | 24.725 | 264 | 458296 | 20.000 | ng | -0.02 |

04/10/2024

Supervised By :mohammad  
ahmed

04/10/2024

## System Monitoring Compounds

|                          |        |     |         |         |    |       |
|--------------------------|--------|-----|---------|---------|----|-------|
| 5) 2-Fluorophenol        | 5.535  | 112 | 445668  | 145.126 | ng | 0.00  |
| 7) Phenol-d6             | 7.116  | 99  | 611448  | 134.136 | ng | 0.00  |
| 23) Nitrobenzene-d5      | 9.102  | 82  | 396231  | 102.043 | ng | -0.01 |
| 42) 2,4,6-Tribromophenol | 16.070 | 330 | 346531  | 176.410 | ng | 0.00  |
| 45) 2-Fluorobiphenyl     | 13.203 | 172 | 1011080 | 85.751  | ng | -0.02 |
| 79) Terphenyl-d14        | 19.954 | 244 | 1964459 | 87.440  | ng | -0.01 |

## Target Compounds

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Qvalue |
|-------------------------------|--------|------|----------|---------|-------|--------|
| 2) 1,4-Dioxane                | 3.455  | 88   | 47867    | 38.018  | ng    | 98     |
| 3) Pyridine                   | 3.837  | 79   | 128569   | 33.854  | ng    | 92     |
| 4) n-Nitrosodimethylamine     | 3.755  | 42   | 109470   | 48.222  | ng    | # 91   |
| 6) Aniline                    | 7.275  | 93   | 142980   | 24.838  | ng    | 99     |
| 8) 2-Chlorophenol             | 7.515  | 128  | 175322   | 50.358  | ng    | 95     |
| 9) Benzaldehyde               | 7.087  | 77   | 34014m   | 13.532  | ng    |        |
| 10) Phenol                    | 7.139  | 94   | 224519   | 48.262  | ng    | 96     |
| 11) bis(2-Chloroethyl)ether   | 7.369  | 93   | 156486   | 41.663  | ng    | 96     |
| 12) 1,3-Dichlorobenzene       | 7.839  | 146  | 170491   | 47.091  | ng    | 95     |
| 13) 1,4-Dichlorobenzene       | 7.985  | 146  | 179087   | 48.485  | ng    | 93     |
| 14) 1,2-Dichlorobenzene       | 8.303  | 146  | 170526   | 47.109  | ng    | 99     |
| 15) Benzyl Alcohol            | 8.179  | 79   | 174623   | 47.292  | ng    | 96     |
| 16) 2,2'-oxybis(1-Chloropr... | 8.467  | 45   | 382676   | 45.146  | ng    | 99     |
| 17) 2-Methylphenol            | 8.391  | 107  | 160097   | 45.586  | ng    | 96     |
| 18) Hexachloroethane          | 9.031  | 117  | 62440    | 47.597  | ng    | 92     |
| 19) n-Nitroso-di-n-propyla... | 8.755  | 70   | 145331   | 41.807  | ng    | # 99   |
| 20) 3+4-Methylphenols         | 8.714  | 107  | 221858   | 46.132  | ng    | 95     |
| 22) Acetophenone              | 8.767  | 105  | 276365   | 45.236  | ng    | # 97   |
| 24) Nitrobenzene              | 9.143  | 77   | 204032   | 47.251  | ng    | 100    |
| 25) Isophorone                | 9.672  | 82   | 391885   | 43.818  | ng    | 100    |
| 26) 2-Nitrophenol             | 9.854  | 139  | 88677    | 56.520  | ng    | 90     |
| 27) 2,4-Dimethylphenol        | 9.918  | 122  | 141237   | 39.313  | ng    | 99     |
| 28) bis(2-Chloroethoxy)met... | 10.154 | 93   | 231814   | 43.903  | ng    | 99     |
| 29) 2,4-Dichlorophenol        | 10.394 | 162  | 182999   | 55.470  | ng    | 95     |
| 30) 1,2,4-Trichlorobenzene    | 10.606 | 180  | 191173   | 51.175  | ng    | 92     |
| 31) Naphthalene               | 10.794 | 128  | 538602   | 44.938  | ng    | 100    |
| 32) Benzoic acid              | 10.054 | 122  | 135696   | 55.521  | ng    | 96     |
| 33) 4-Chloroaniline           | 10.894 | 127  | 89510    | 16.079  | ng    | 95     |
| 34) Hexachlorobutadiene       | 11.088 | 225  | 123625   | 49.655  | ng    | 96     |
| 35) Caprolactam               | 11.664 | 113  | 62014m   | 47.461  | ng    |        |
| 36) 4-Chloro-3-methylphenol   | 12.028 | 107  | 208015   | 49.358  | ng    | 97     |
| 37) 2-Methylnaphthalene       | 12.404 | 142  | 381635   | 43.310  | ng    | 99     |
| 38) 1-Methylnaphthalene       | 12.621 | 142  | 357267   | 42.918  | ng    | 96     |
| 40) 1,2,4,5-Tetrachloroben... | 12.774 | 216  | 242012   | 48.647  | ng    | 99     |
| 41) Hexachlorocyclopentadiene | 12.756 | 237  | 284382   | 112.421 | ng    | 98     |
| 43) 2,4,6-Trichlorophenol     | 13.009 | 196  | 171721   | 53.606  | ng    | 96     |

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## Instrument :

BNA\_G

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PB160028BS

## Manual Integrations

## APPROVED

Reviewed By :Yogesh Patel 04/10/2024

Supervised By :mohammad ahmed 04/10/2024

Quant Time: Apr 10 00:32:55 2024

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG032924.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Sat Mar 30 03:12:26 2024

Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min)   |
|-------------------------------|--------|------|----------|---------|-------|------------|
| 44) 2,4,5-Trichlorophenol     | 13.080 | 196  | 190807   | 49.912  | ng    | 96         |
| 46) 1,1'-Biphenyl             | 13.414 | 154  | 546516   | 44.713  | ng    | 98         |
| 47) 2-Chloronaphthalene       | 13.456 | 162  | 431040   | 46.415  | ng    | 100        |
| 48) 2-Nitroaniline            | 13.649 | 65   | 157994   | 51.769  | ng    | 97         |
| 49) Acenaphthylene            | 14.302 | 152  | 750403   | 48.091  | ng    | 100        |
| 50) Dimethylphthalate         | 14.037 | 163  | 618177   | 45.196  | ng    | 99         |
| 51) 2,6-Dinitrotoluene        | 14.149 | 165  | 123455   | 50.236  | ng    | 95         |
| 52) Acenaphthene              | 14.642 | 154  | 504431m  | 51.488  | ng    | 04/10/2024 |
| 53) 3-Nitroaniline            | 14.472 | 138  | 74629    | 28.980  | ng    | 97         |
| 54) 2,4-Dinitrophenol         | 14.684 | 184  | 147370   | 154.792 | ng    | 90         |
| 55) Dibenzofuran              | 14.977 | 168  | 698085   | 45.174  | ng    | 100        |
| 56) 4-Nitrophenol             | 14.789 | 139  | 229297   | 114.675 | ng    | 96         |
| 57) 2,4-Dinitrotoluene        | 14.936 | 165  | 177061   | 54.722  | ng    | 93         |
| 58) Fluorene                  | 15.629 | 166  | 572583   | 46.167  | ng    | 99         |
| 59) 2,3,4,6-Tetrachlorophenol | 15.201 | 232  | 186271   | 55.911  | ng    | 97         |
| 60) Diethylphthalate          | 15.406 | 149  | 610072   | 44.334  | ng    | 98         |
| 61) 4-Chlorophenyl-phenyle... | 15.624 | 204  | 309112   | 47.110  | ng    | 93         |
| 62) 4-Nitroaniline            | 15.641 | 138  | 135006   | 53.987  | ng    | 98         |
| 63) Azobenzene                | 15.917 | 77   | 589881   | 43.991  | ng    | 98         |
| 65) 4,6-Dinitro-2-methylph... | 15.700 | 198  | 106009   | 58.456  | ng    | 97         |
| 66) n-Nitrosodiphenylamine    | 15.841 | 169  | 536991   | 44.076  | ng    | 99         |
| 67) 4-Bromophenyl-phenylether | 16.517 | 248  | 211549   | 48.893  | ng    | 99         |
| 68) Hexachlorobenzene         | 16.634 | 284  | 242831   | 49.715  | ng    | 99         |
| 69) Atrazine                  | 16.793 | 200  | 209902   | 49.267  | ng    | 98         |
| 70) Pentachlorophenol         | 16.975 | 266  | 338170   | 106.106 | ng    | 99         |
| 71) Phenanthrene              | 17.369 | 178  | 996632   | 44.948  | ng    | 99         |
| 72) Anthracene                | 17.463 | 178  | 1013337  | 45.001  | ng    | 99         |
| 73) Carbazole                 | 17.727 | 167  | 896915   | 45.175  | ng    | 98         |
| 74) Di-n-butylphthalate       | 18.303 | 149  | 1053905  | 42.578  | ng    | 100        |
| 75) Fluoranthene              | 19.384 | 202  | 1215678  | 45.182  | ng    | 98         |
| 77) Benzidine                 | 19.560 | 184  | 330875   | 31.763  | ng    | 99         |
| 78) Pyrene                    | 19.742 | 202  | 1271188  | 45.946  | ng    | 99         |
| 80) Butylbenzylphthalate      | 20.647 | 149  | 457830   | 45.363  | ng    | 97         |
| 81) Benzo(a)anthracene        | 21.570 | 228  | 1309670  | 46.967  | ng    | 98         |
| 82) 3,3'-Dichlorobenzidine    | 21.487 | 252  | 291098   | 30.917  | ng    | 98         |
| 83) Chrysene                  | 21.634 | 228  | 1234367  | 45.926  | ng    | 98         |
| 84) Bis(2-ethylhexyl)phtha... | 21.511 | 149  | 682263   | 42.413  | ng    | 97         |
| 85) Di-n-octyl phthalate      | 22.709 | 149  | 1170146  | 44.652  | ng    | 100        |
| 87) Indeno(1,2,3-cd)pyrene    | 28.279 | 276  | 1581619  | 49.007  | ng    | 98         |
| 88) Benzo(b)fluoranthene      | 23.738 | 252  | 1289615  | 48.981  | ng    | 98         |
| 89) Benzo(k)fluoranthene      | 23.802 | 252  | 1287918m | 47.791  | ng    |            |
| 90) Benzo(a)pyrene            | 24.578 | 252  | 1201550  | 46.960  | ng    | 98         |
| 91) Dibenzo(a,h)anthracene    | 28.350 | 278  | 1303991  | 47.931  | ng    | # 95       |
| 92) Benzo(g,h,i)perylene      | 29.384 | 276  | 1224165  | 46.256  | ng    | 98         |

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

