

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG121323\  
 Data File : BG060002.D  
 Acq On : 13 Dec 2023 18:44  
 Operator : MA/JU  
 Sample : PB157585BS  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

## Instrument :

BNA\_G

## ClientSampleId :

PB157585BS

## Manual Integrations

## APPROVED

Reviewed By :Yogesh Patel 12/14/2023

Supervised By :mohammad ahmed 12/14/2023

Quant Time: Dec 14 03:01:10 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG121323.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Dec 14 01:47:12 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.952  | 152  | 49789    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.761 | 136  | 201015   | 20.000  | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 14.598 | 164  | 174317   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.341 | 188  | 536123   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 21.613 | 240  | 694729   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 24.803 | 264  | 796643   | 20.000  | ng    | 0.00     |
|                               |        |      |          |         |       |          |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.526  | 112  | 470041   | 161.610 | ng    | 0.00     |
| 7) Phenol-d6                  | 7.112  | 99   | 605648   | 148.035 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.116  | 82   | 385908   | 87.175  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.084 | 330  | 574071   | 141.313 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.217 | 172  | 1208410  | 84.844  | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.962 | 244  | 3446224  | 90.565  | ng    | 0.00     |
|                               |        |      |          |         |       |          |
| Target Compounds              |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.428  | 88   | 50113    | 36.412  | ng    | 93       |
| 3) Pyridine                   | 3.822  | 79   | 106201   | 27.554  | ng    | 90       |
| 4) n-Nitrosodimethylamine     | 3.740  | 42   | 77110    | 40.673  | ng    | 83       |
| 6) Aniline                    | 7.277  | 93   | 147026   | 35.282  | ng    | 97       |
| 8) 2-Chlorophenol             | 7.518  | 128  | 143175   | 51.947  | ng    | 95       |
| 9) Benzaldehyde               | 7.089  | 77   | 31129m   | 12.513  | ng    |          |
| 10) Phenol                    | 7.136  | 94   | 223009   | 54.261  | ng    | 97       |
| 11) bis(2-Chloroethyl)ether   | 7.377  | 93   | 133883   | 45.503  | ng    | 100      |
| 12) 1,3-Dichlorobenzene       | 7.841  | 146  | 163144   | 44.264  | ng    | 96       |
| 13) 1,4-Dichlorobenzene       | 7.993  | 146  | 174635   | 45.534  | ng    | 96       |
| 14) 1,2-Dichlorobenzene       | 8.305  | 146  | 163349   | 44.269  | ng    | 98       |
| 15) Benzyl Alcohol            | 8.187  | 79   | 174212   | 52.981  | ng    | 97       |
| 16) 2,2'-oxybis(1-Chloropr... | 8.481  | 45   | 253100   | 48.072  | ng    | 97       |
| 17) 2-Methylphenol            | 8.393  | 107  | 145033   | 52.930  | ng    | 87       |
| 18) Hexachloroethane          | 9.039  | 117  | 51086    | 43.971  | ng    | 91       |
| 19) n-Nitroso-di-n-propyla... | 8.757  | 70   | 132316   | 50.128  | ng    | # 93     |
| 20) 3+4-Methylphenols         | 8.716  | 107  | 191049   | 49.917  | ng    | 96       |
| 22) Acetophenone              | 8.775  | 105  | 263662   | 45.011  | ng    | 93       |
| 24) Nitrobenzene              | 9.157  | 77   | 196632   | 43.751  | ng    | 97       |
| 25) Isophorone                | 9.680  | 82   | 357712   | 42.220  | ng    | 99       |
| 26) 2-Nitrophenol             | 9.874  | 139  | 77150    | 46.676  | ng    | 94       |
| 27) 2,4-Dimethylphenol        | 9.927  | 122  | 135994   | 60.025  | ng    | 96       |
| 28) bis(2-Chloroethoxy)met... | 10.167 | 93   | 187445   | 42.850  | ng    | 95       |
| 29) 2,4-Dichlorophenol        | 10.402 | 162  | 201881   | 49.612  | ng    | 92       |
| 30) 1,2,4-Trichlorobenzene    | 10.620 | 180  | 233982   | 42.480  | ng    | 99       |
| 31) Naphthalene               | 10.814 | 128  | 448784   | 42.887  | ng    | 98       |
| 32) Benzoic acid              | 10.050 | 122  | 109062m  | 52.920  | ng    |          |
| 33) 4-Chloroaniline           | 10.914 | 127  | 74113    | 18.613  | ng    | # 95     |
| 34) Hexachlorobutadiene       | 11.096 | 225  | 195966   | 38.873  | ng    | 97       |
| 35) Caprolactam               | 11.683 | 113  | 52767m   | 51.047  | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 12.036 | 107  | 181215   | 48.966  | ng    | 99       |
| 37) 2-Methylnaphthalene       | 12.418 | 142  | 350043   | 42.650  | ng    | 98       |
| 38) 1-Methylnaphthalene       | 12.641 | 142  | 350125   | 43.186  | ng    | 97       |
| 40) 1,2,4,5-Tetrachloroben... | 12.782 | 216  | 398356   | 43.835  | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 12.770 | 237  | 465130   | 123.878 | ng    | 96       |
| 43) 2,4,6-Trichlorophenol     | 13.023 | 196  | 235176   | 46.155  | ng    | 95       |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG121323\  
 Data File : BG060002.D  
 Acq On : 13 Dec 2023 18:44  
 Operator : MA/JU  
 Sample : PB157585BS  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

## Instrument :

BNA\_G

## ClientSampleId :

PB157585BS

## Manual Integrations

## APPROVED

Reviewed By :Yogesh Patel 12/14/2023

Supervised By :mohammad ahmed 12/14/2023

Quant Time: Dec 14 03:01:10 2023

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG121323.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Thu Dec 14 01:47:12 2023

Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 13.093 | 196  | 261455   | 47.175  | ng    | 98       |
| 46) 1,1'-Biphenyl             | 13.428 | 154  | 577112   | 44.642  | ng    | 99       |
| 47) 2-Chloronaphthalene       | 13.469 | 162  | 468542   | 41.850  | ng    | 99       |
| 48) 2-Nitroaniline            | 13.669 | 65   | 123304   | 51.020  | ng    | 87       |
| 49) Acenaphthylene            | 14.315 | 152  | 723277   | 47.228  | ng    | 99       |
| 50) Dimethylphthalate         | 14.051 | 163  | 614312   | 45.401  | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 14.169 | 165  | 125949   | 44.936  | ng    | 96       |
| 52) Acenaphthene              | 14.656 | 154  | 520096m  | 49.336  | ng    |          |
| 53) 3-Nitroaniline            | 14.492 | 138  | 61995    | 27.680  | ng    | # 94     |
| 54) 2,4-Dinitrophenol         | 14.697 | 184  | 225974   | 109.427 | ng    | 92       |
| 55) Dibenzofuran              | 14.991 | 168  | 770280   | 44.893  | ng    | 99       |
| 56) 4-Nitrophenol             | 14.797 | 139  | 197679   | 105.016 | ng    | 90       |
| 57) 2,4-Dinitrotoluene        | 14.950 | 165  | 190720   | 48.405  | ng    | # 96     |
| 58) Fluorene                  | 15.643 | 166  | 654557   | 45.240  | ng    | 98       |
| 59) 2,3,4,6-Tetrachlorophenol | 15.214 | 232  | 290655   | 50.381  | ng    | 98       |
| 60) Diethylphthalate          | 15.414 | 149  | 578515   | 46.468  | ng    | 98       |
| 61) 4-Chlorophenyl-phenyle... | 15.637 | 204  | 455470   | 43.710  | ng    | 98       |
| 62) 4-Nitroaniline            | 15.661 | 138  | 116006   | 47.565  | ng    | 96       |
| 63) Azobenzene                | 15.931 | 77   | 544574   | 44.366  | ng    | 96       |
| 65) 4,6-Dinitro-2-methylph... | 15.714 | 198  | 158596   | 47.181  | ng    | 95       |
| 66) n-Nitrosodiphenylamine    | 15.849 | 169  | 613322   | 46.828  | ng    | 95       |
| 67) 4-Bromophenyl-phenylether | 16.531 | 248  | 338539   | 44.755  | ng    | 93       |
| 68) Hexachlorobenzene         | 16.642 | 284  | 384756   | 43.510  | ng    | # 96     |
| 70) Pentachlorophenol         | 16.989 | 266  | 576186   | 100.581 | ng    | 97       |
| 71) Phenanthrene              | 17.382 | 178  | 1217996  | 46.903  | ng    | 98       |
| 72) Anthracene                | 17.476 | 178  | 1262087  | 48.338  | ng    | 99       |
| 73) Carbazole                 | 17.741 | 167  | 1054914  | 47.546  | ng    | 98       |
| 74) Di-n-butylphthalate       | 18.311 | 149  | 989549   | 48.890  | ng    | 98       |
| 75) Fluoranthene              | 19.398 | 202  | 1829294  | 48.273  | ng    | 98       |
| 77) Benzidine                 | 19.580 | 184  | 542602   | 60.805  | ng    | 99       |
| 78) Pyrene                    | 19.762 | 202  | 1896772  | 45.040  | ng    | 99       |
| 80) Butylbenzylphthalate      | 20.655 | 149  | 374192   | 49.473  | ng    | 95       |
| 81) Benzo(a)anthracene        | 21.595 | 228  | 2188504  | 46.896  | ng    | 98       |
| 82) 3,3'-Dichlorobenzidine    | 21.513 | 252  | 654209   | 42.603  | ng    | 100      |
| 83) Chrysene                  | 21.660 | 228  | 2024608  | 45.793  | ng    | 98       |
| 84) Bis(2-ethylhexyl)phtha... | 21.513 | 149  | 565380   | 49.318  | ng    | 98       |
| 85) Di-n-octyl phthalate      | 22.717 | 149  | 982753   | 49.558  | ng    | 100      |
| 87) Indeno(1,2,3-cd)pyrene    | 28.440 | 276  | 2656345  | 46.722  | ng    | 99       |
| 88) Benzo(b)fluoranthene      | 23.793 | 252  | 2234355  | 45.413  | ng    | 98       |
| 89) Benzo(k)fluoranthene      | 23.857 | 252  | 2133679  | 44.709  | ng    | 98       |
| 90) Benzo(a)pyrene            | 24.656 | 252  | 1984292  | 45.522  | ng    | 98       |
| 91) Dibenzo(a,h)anthracene    | 28.505 | 278  | 2272801  | 47.806  | ng    | 100      |
| 92) Benzo(g,h,i)perylene      | 29.580 | 276  | 2121336  | 44.858  | ng    | # 99     |

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

