

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG040325\  
 Data File : BG064173.D  
 Acq On : 3 Apr 2025 19:17  
 Operator : RC/JU  
 Sample : PB167393BS  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB167393BS

Manual Integrations  
 APPROVED

Reviewed By :Rahul Chavli 04/04/2025  
 Supervised By :Jagrut Upadhyay 04/04/2025

Quant Time: Apr 04 01:45:53 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG030525.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Mar 05 15:39:19 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.858  | 152  | 28326    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.649 | 136  | 137392   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 14.480 | 164  | 107393   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.224 | 188  | 248813   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 21.454 | 240  | 248832   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 24.468 | 264  | 264036   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.450  | 112  | 260103   | 143.379 | ng    | 0.00     |
| 7) Phenol-d6                  | 7.030  | 99   | 347089   | 140.643 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.010  | 82   | 243149   | 97.800  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 15.972 | 330  | 204481   | 171.293 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.111 | 172  | 605724   | 85.612  | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.844 | 244  | 1147666  | 93.259  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.358  | 88   | 23146    | 28.153  | ng    | 95       |
| 3) Pyridine                   | 3.746  | 79   | 69029    | 34.524  | ng    | 94       |
| 4) n-Nitrosodimethylamine     | 3.663  | 42   | 58435    | 40.905  | ng    | 94       |
| 6) Aniline                    | 7.183  | 93   | 84082    | 34.721  | ng    | 99       |
| 8) 2-Chlorophenol             | 7.424  | 128  | 100517   | 51.591  | ng    | 95       |
| 9) Benzaldehyde               | 6.995  | 77   | 63458    | 44.213  | ng    | 97       |
| 10) Phenol                    | 7.054  | 94   | 130559   | 51.672  | ng    | 97       |
| 11) bis(2-Chloroethyl)ether   | 7.283  | 93   | 86962    | 43.900  | ng    | 99       |
| 12) 1,3-Dichlorobenzene       | 7.753  | 146  | 97597    | 45.616  | ng    | 95       |
| 13) 1,4-Dichlorobenzene       | 7.894  | 146  | 99360    | 45.307  | ng    | 99       |
| 14) 1,2-Dichlorobenzene       | 8.211  | 146  | 99453    | 47.030  | ng    | 97       |
| 15) Benzyl Alcohol            | 8.093  | 79   | 103300   | 54.167  | ng    | 96       |
| 16) 2,2'-oxybis(1-Chloropr... | 8.387  | 45   | 207476   | 46.580  | ng    | 99       |
| 17) 2-Methylphenol            | 8.299  | 107  | 89909    | 53.615  | ng    | 98       |
| 18) Hexachloroethane          | 8.940  | 117  | 40527    | 52.819  | ng    | 94       |
| 19) n-Nitroso-di-n-propyla... | 8.663  | 70   | 82417    | 47.586  | ng    | 97       |
| 20) 3+4-Methylphenols         | 8.628  | 107  | 125453   | 54.340  | ng    | 95       |
| 22) Acetophenone              | 8.675  | 105  | 159135   | 42.244  | ng    | # 96     |
| 24) Nitrobenzene              | 9.051  | 77   | 123254   | 47.970  | ng    | 99       |
| 25) Isophorone                | 9.574  | 82   | 230706   | 46.361  | ng    | 95       |
| 26) 2-Nitrophenol             | 9.762  | 139  | 54963    | 58.817  | ng    | # 93     |
| 27) 2,4-Dimethylphenol        | 9.827  | 122  | 106232   | 71.211  | ng    | 95       |
| 28) bis(2-Chloroethoxy)met... | 10.062 | 93   | 135542   | 44.926  | ng    | 100      |
| 29) 2,4-Dichlorophenol        | 10.297 | 162  | 101564   | 53.917  | ng    | 99       |
| 30) 1,2,4-Trichlorobenzene    | 10.508 | 180  | 103648   | 45.580  | ng    | 98       |
| 31) Naphthalene               | 10.696 | 128  | 325687   | 43.961  | ng    | 99       |
| 32) Benzoic acid              | 9.968  | 122  | 75930m   | 54.083  | ng    |          |
| 33) 4-Chloroaniline           | 10.802 | 127  | 29877    | 11.034  | ng    | # 89     |
| 34) Hexachlorobutadiene       | 10.990 | 225  | 70355    | 47.202  | ng    | 96       |
| 35) Caprolactam               | 11.578 | 113  | 39436m   | 54.631  | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 11.930 | 107  | 136856   | 55.426  | ng    | 99       |
| 37) 2-Methylnaphthalene       | 12.306 | 142  | 225381   | 43.093  | ng    | 97       |
| 38) 1-Methylnaphthalene       | 12.524 | 142  | 243729   | 47.566  | ng    | 97       |
| 40) 1,2,4,5-Tetrachloroben... | 12.676 | 216  | 132670   | 43.271  | ng    | # 97     |
| 41) Hexachlorocyclopentadiene | 12.659 | 237  | 194898   | 225.856 | ng    | 95       |
| 43) 2,4,6-Trichlorophenol     | 12.917 | 196  | 93345    | 51.657  | ng    | 92       |

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|-------------------------------|--------|------|----------|---------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 12.988 | 196  | 107368   | 53.475  | ng    | 97       |
| 46) 1,1'-Biphenyl             | 13.323 | 154  | 360456   | 44.426  | ng    | 95       |
| 47) 2-Chloronaphthalene       | 13.358 | 162  | 265674   | 44.896  | ng    | 97       |
| 48) 2-Nitroaniline            | 13.558 | 65   | 106132   | 52.905  | ng    | 96       |
| 49) Acenaphthylene            | 14.204 | 152  | 462687   | 49.433  | ng    | 99       |
| 50) Dimethylphthalate         | 13.945 | 163  | 376489   | 47.492  | ng    | 100      |
| 51) 2,6-Dinitrotoluene        | 14.057 | 165  | 80098    | 49.677  | ng    | 94       |
| 52) Acenaphthene              | 14.551 | 154  | 282611   | 44.991  | ng    | 94       |
| 53) 3-Nitroaniline            | 14.380 | 138  | 31565    | 20.602  | ng    | 91       |
| 54) 2,4-Dinitrophenol         | 14.592 | 184  | 100093   | 142.446 | ng    | # 72     |
| 55) Dibenzofuran              | 14.886 | 168  | 448500   | 44.074  | ng    | 98       |
| 56) 4-Nitrophenol             | 14.698 | 139  | 144648   | 112.568 | ng    | 87       |
| 57) 2,4-Dinitrotoluene        | 14.844 | 165  | 121433   | 54.211  | ng    | # 94     |
| 58) Fluorene                  | 15.532 | 166  | 372397   | 46.987  | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol | 15.109 | 232  | 108606   | 55.484  | ng    | 94       |
| 60) Diethylphthalate          | 15.309 | 149  | 416605   | 48.408  | ng    | 99       |
| 61) 4-Chlorophenyl-phenyle... | 15.526 | 204  | 182439   | 46.321  | ng    | # 88     |
| 62) 4-Nitroaniline            | 15.549 | 138  | 83572    | 50.522  | ng    | 90       |
| 63) Azobenzene                | 15.820 | 77   | 410884   | 44.742  | ng    | 98       |
| 65) 4,6-Dinitro-2-methylph... | 15.608 | 198  | 75522    | 66.467  | ng    | 98       |
| 66) n-Nitrosodiphenylamine    | 15.743 | 169  | 342099   | 48.573  | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 16.419 | 248  | 129419   | 50.786  | ng    | 96       |
| 68) Hexachlorobenzene         | 16.537 | 284  | 139145   | 48.772  | ng    | 96       |
| 69) Atrazine                  | 16.695 | 200  | 139441   | 67.290  | ng    | 97       |
| 70) Pentachlorophenol         | 16.877 | 266  | 183831   | 103.779 | ng    | 97       |
| 71) Phenanthrene              | 17.271 | 178  | 629352   | 47.423  | ng    | 99       |
| 72) Anthracene                | 17.359 | 178  | 650102   | 49.264  | ng    | 99       |
| 73) Carbazole                 | 17.624 | 167  | 575340   | 46.696  | ng    | 99       |
| 74) Di-n-butylphthalate       | 18.193 | 149  | 717070   | 49.443  | ng    | 99       |
| 75) Fluoranthene              | 19.275 | 202  | 732555   | 45.787  | ng    | 97       |
| 77) Benzidine                 | 19.457 | 184  | 173862   | 50.459  | ng    | 99       |
| 78) Pyrene                    | 19.639 | 202  | 759775   | 47.367  | ng    | 99       |
| 80) Butylbenzylphthalate      | 20.538 | 149  | 326610   | 53.789  | ng    | 97       |
| 81) Benzo(a)anthracene        | 21.437 | 228  | 766772   | 48.105  | ng    | 98       |
| 82) 3,3'-Dichlorobenzidine    | 21.360 | 252  | 120638   | 23.386  | ng    | 98       |
| 83) Chrysene                  | 21.501 | 228  | 727012   | 45.731  | ng    | 100      |
| 84) Bis(2-ethylhexyl)phtha... | 21.366 | 149  | 469749   | 54.493  | ng    | 100      |
| 85) Di-n-octyl phthalate      | 22.512 | 149  | 808712   | 54.390  | ng    | 98       |
| 87) Indeno(1,2,3-cd)pyrene    | 27.870 | 276  | 898254   | 50.846  | ng    | # 96     |
| 88) Benzo(b)fluoranthene      | 23.522 | 252  | 761654   | 47.717  | ng    | 98       |
| 89) Benzo(k)fluoranthene      | 23.581 | 252  | 725723   | 45.321  | ng    | 98       |
| 90) Benzo(a)pyrene            | 24.327 | 252  | 724310   | 50.952  | ng    | 97       |
| 91) Dibenzo(a,h)anthracene    | 27.929 | 278  | 747239   | 51.021  | ng    | 98       |
| 92) Benzo(g,h,i)perylene      | 28.922 | 276  | 708548   | 47.120  | ng    | 97       |

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

