

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG092525\  
 Data File : BG064452.D  
 Acq On : 25 Sep 2025 20:49  
 Operator : RC/JU  
 Sample : SSTDICV040  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

## Instrument :

BNA\_G

## ClientSampleId :

ICVBG092525

## Manual Integrations

## APPROVED

Reviewed By :Rahul Chavli 10/03/2025

Supervised By :Jagrut Upadhyay 10/03/2025

Quant Time: Sep 29 18:06:16 2025

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG092525.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Mon Sep 29 18:04:12 2025

Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.843  | 152  | 16360    | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.628 | 136  | 69998    | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10          | 14.465 | 164  | 53506    | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.203 | 188  | 126240   | 20.000 | ng    | # 0.00   |
| 76) Chrysene-d12              | 21.439 | 240  | 146232   | 20.000 | ng    | 0.00     |
| 86) Perylene-d12              | 24.436 | 264  | 156297   | 20.000 | ng    | 0.00     |
|                               |        |      |          |        |       |          |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.428  | 112  | 76234    | 89.046 | ng    | 0.00     |
| 7) Phenol-d6                  | 7.015  | 99   | 104282   | 88.911 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 8.995  | 82   | 116047   | 89.848 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 15.957 | 330  | 78697    | 84.250 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.090 | 172  | 309222   | 85.338 | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.823 | 244  | 612166   | 82.523 | ng    | 0.00     |
|                               |        |      |          |        |       |          |
| Target Compounds              |        |      |          |        |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.343  | 88   | 14029    | 39.050 | ng    | 99       |
| 3) Pyridine                   | 3.730  | 79   | 39133    | 40.404 | ng    | 97       |
| 4) n-Nitrosodimethylamine     | 3.648  | 42   | 31474    | 42.542 | ng    | # 96     |
| 6) Aniline                    | 7.168  | 93   | 66581    | 43.838 | ng    | 97       |
| 8) 2-Chlorophenol             | 7.409  | 128  | 47005    | 43.886 | ng    | 96       |
| 9) Benzaldehyde               | 6.980  | 77   | 69236    | 69.353 | ng    | 91       |
| 10) Phenol                    | 7.038  | 94   | 55124    | 43.407 | ng    | 96       |
| 11) bis(2-Chloroethyl)ether   | 7.268  | 93   | 37715    | 44.230 | ng    | 92       |
| 12) 1,3-Dichlorobenzene       | 7.732  | 146  | 52530    | 43.753 | ng    | 95       |
| 13) 1,4-Dichlorobenzene       | 7.873  | 146  | 53183    | 43.365 | ng    | 91       |
| 14) 1,2-Dichlorobenzene       | 8.190  | 146  | 52569    | 45.232 | ng    | 94       |
| 15) Benzyl Alcohol            | 8.072  | 79   | 47170    | 42.683 | ng    | 96       |
| 16) 2,2'-oxybis(1-Chloropr... | 8.360  | 45   | 61132    | 41.116 | ng    | 97       |
| 17) 2-Methylphenol            | 8.284  | 107  | 39244    | 42.777 | ng    | 94       |
| 18) Hexachloroethane          | 8.913  | 117  | 20021    | 43.270 | ng    | 94       |
| 19) n-Nitroso-di-n-propyla... | 8.642  | 70   | 35926    | 45.317 | ng    | # 93     |
| 20) 3+4-Methylphenols         | 8.607  | 107  | 54063    | 41.921 | ng    | 96       |
| 22) Acetophenone              | 8.654  | 105  | 72821    | 43.454 | ng    | # 93     |
| 24) Nitrobenzene              | 9.036  | 77   | 56054    | 44.460 | ng    | 98       |
| 25) Isophorone                | 9.559  | 82   | 102879   | 43.048 | ng    | 96       |
| 26) 2-Nitrophenol             | 9.741  | 139  | 28126    | 45.321 | ng    | 97       |
| 27) 2,4-Dimethylphenol        | 9.806  | 122  | 44334    | 44.292 | ng    | 93       |
| 28) bis(2-Chloroethoxy)met... | 10.041 | 93   | 53573    | 43.392 | ng    | 94       |
| 29) 2,4-Dichlorophenol        | 10.276 | 162  | 49172    | 42.684 | ng    | 96       |
| 30) 1,2,4-Trichlorobenzene    | 10.493 | 180  | 53650    | 43.539 | ng    | 97       |
| 31) Naphthalene               | 10.675 | 128  | 157276   | 43.038 | ng    | 98       |
| 32) Benzoic acid              | 9.958  | 122  | 35974m   | 46.391 | ng    |          |
| 33) 4-Chloroaniline           | 10.781 | 127  | 59052    | 44.175 | ng    | 96       |
| 34) Hexachlorobutadiene       | 10.963 | 225  | 45951    | 43.780 | ng    | 92       |
| 35) Caprolactam               | 11.557 | 113  | 15586    | 41.004 | ng    | # 90     |
| 36) 4-Chloro-3-methylphenol   | 11.915 | 107  | 58602    | 42.917 | ng    | # 87     |
| 37) 2-Methylnaphthalene       | 12.285 | 142  | 121011   | 43.854 | ng    | 98       |
| 38) 1-Methylnaphthalene       | 12.508 | 142  | 116879   | 43.108 | ng    | 97       |
| 40) 1,2,4,5-Tetrachloroben... | 12.655 | 216  | 73625    | 43.176 | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 12.638 | 237  | 38124    | 42.097 | ng    | 98       |
| 43) 2,4,6-Trichlorophenol     | 12.896 | 196  | 47726    | 42.907 | ng    | 94       |

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| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 12.973 | 196  | 52262    | 43.074 | ng    | 97       |
| 46) 1,1'-Biphenyl             | 13.302 | 154  | 163525   | 42.963 | ng    | 98       |
| 47) 2-Chloronaphthalene       | 13.337 | 162  | 121681   | 42.063 | ng    | 97       |
| 48) 2-Nitroaniline            | 13.543 | 65   | 43340    | 43.591 | ng    | 92       |
| 49) Acenaphthylene            | 14.183 | 152  | 181257   | 42.205 | ng    | 98       |
| 50) Dimethylphthalate         | 13.924 | 163  | 169499   | 41.467 | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 14.042 | 165  | 35401    | 41.233 | ng    | 89       |
| 52) Acenaphthene              | 14.530 | 154  | 124969   | 42.520 | ng    | 97       |
| 53) 3-Nitroaniline            | 14.371 | 138  | 34384    | 42.264 | ng    | # 93     |
| 54) 2,4-Dinitrophenol         | 14.577 | 184  | 23261    | 40.795 | ng    | 94       |
| 55) Dibenzofuran              | 14.864 | 168  | 202428   | 41.540 | ng    | 98       |
| 56) 4-Nitrophenol             | 14.682 | 139  | 27745    | 42.132 | ng    | 97       |
| 57) 2,4-Dinitrotoluene        | 14.829 | 165  | 55855    | 42.615 | ng    | 97       |
| 58) Fluorene                  | 15.511 | 166  | 169479   | 42.130 | ng    | 98       |
| 59) 2,3,4,6-Tetrachlorophenol | 15.094 | 232  | 51232    | 42.332 | ng    | # 97     |
| 60) Diethylphthalate          | 15.288 | 149  | 180626   | 41.011 | ng    | 98       |
| 61) 4-Chlorophenyl-phenyle... | 15.505 | 204  | 89062    | 40.544 | ng    | 94       |
| 62) 4-Nitroaniline            | 15.534 | 138  | 37290    | 42.747 | ng    | 97       |
| 63) Azobenzene                | 15.799 | 77   | 145221   | 42.137 | ng    | 97       |
| 65) 4,6-Dinitro-2-methylph... | 15.593 | 198  | 38925    | 45.013 | ng    | 96       |
| 66) n-Nitrosodiphenylamine    | 15.722 | 169  | 144534   | 42.905 | ng    | 97       |
| 67) 4-Bromophenyl-phenylether | 16.398 | 248  | 62470    | 42.233 | ng    | 97       |
| 68) Hexachlorobenzene         | 16.515 | 284  | 71417    | 42.425 | ng    | 97       |
| 69) Atrazine                  | 16.674 | 200  | 64954    | 42.441 | ng    | 98       |
| 70) Pentachlorophenol         | 16.862 | 266  | 45088    | 44.382 | ng    | 97       |
| 71) Phenanthrene              | 17.250 | 178  | 282695   | 43.083 | ng    | 99       |
| 72) Anthracene                | 17.338 | 178  | 284960   | 42.647 | ng    | 99       |
| 73) Carbazole                 | 17.608 | 167  | 251365   | 42.881 | ng    | 99       |
| 74) Di-n-butylphthalate       | 18.172 | 149  | 307603   | 42.899 | ng    | 99       |
| 75) Fluoranthene              | 19.259 | 202  | 354667   | 42.804 | ng    | 99       |
| 77) Benzidine                 | 19.441 | 184  | 168308   | 43.960 | ng    | 99       |
| 78) Pyrene                    | 19.624 | 202  | 372147   | 41.014 | ng    | 100      |
| 80) Butylbenzylphthalate      | 20.517 | 149  | 140223   | 41.346 | ng    | 99       |
| 81) Benzo(a)anthracene        | 21.416 | 228  | 396961   | 42.397 | ng    | 96       |
| 82) 3,3'-Dichlorobenzidine    | 21.339 | 252  | 137811   | 42.798 | ng    | 97       |
| 83) Chrysene                  | 21.480 | 228  | 368588   | 41.568 | ng    | 98       |
| 84) Bis(2-ethylhexyl)phtha... | 21.339 | 149  | 204628   | 41.885 | ng    | 98       |
| 85) Di-n-octyl phthalate      | 22.473 | 149  | 347545   | 41.850 | ng    | 99       |
| 87) Indeno(1,2,3-cd)pyrene    | 27.814 | 276  | 466705   | 42.249 | ng    | # 96     |
| 88) Benzo(b)fluoranthene      | 23.490 | 252  | 382245   | 42.662 | ng    | 98       |
| 89) Benzo(k)fluoranthene      | 23.554 | 252  | 383443   | 42.775 | ng    | 96       |
| 90) Benzo(a)pyrene            | 24.295 | 252  | 351441   | 42.343 | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 27.861 | 278  | 378600   | 42.277 | ng    | 93       |
| 92) Benzo(g,h,i)perylene      | 28.866 | 276  | 362608   | 42.161 | ng    | 98       |

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

