

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG121125\  
 Data File : BG064938.D  
 Acq On : 11 Dec 2025 17:35  
 Operator : RC/JU  
 Sample : Q3814-02MSD  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 TP-5MSD

Quant Time: Dec 11 18:11:28 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG111225.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Nov 12 17:10:56 2025  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Rahul  
 Chavli

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |                                   |
|-------------------------------|--------|------|----------|---------|-------|----------|-----------------------------------|
| Internal Standards            |        |      |          |         |       |          | 12/12/2025                        |
| 1) 1,4-Dichlorobenzene-d4     | 8.154  | 152  | 19371    | 20.000  | ng    | -0.01    | Supervised By :Jagrut<br>Upadhyay |
| 21) Naphthalene-d8            | 10.968 | 136  | 72304    | 20.000  | ng    | #-0.02   |                                   |
| 39) Acenaphthene-d10          | 14.764 | 164  | 65366    | 20.000  | ng    | -0.01    |                                   |
| 64) Phenanthrene-d10          | 17.496 | 188  | 171791   | 20.000  | ng    | # 0.00   |                                   |
| 76) Chrysene-d12              | 21.750 | 240  | 209105   | 20.000  | ng    | # 0.00   |                                   |
| 86) Perylene-d12              | 25.005 | 264  | 236765   | 20.000  | ng    | -0.02    | 12/12/2025                        |
| System Monitoring Compounds   |        |      |          |         |       |          |                                   |
| 5) 2-Fluorophenol             | 5.692  | 112  | 125048   | 112.726 | ng    | 0.00     |                                   |
| 7) Phenol-d6                  | 7.302  | 99   | 156603   | 106.140 | ng    | 0.00     |                                   |
| 23) Nitrobenzene-d5           | 9.317  | 82   | 118143   | 80.788  | ng    | -0.01    |                                   |
| 42) 2,4,6-Tribromophenol      | 16.245 | 330  | 220503   | 172.965 | ng    | 0.00     |                                   |
| 45) 2-Fluorobiphenyl          | 13.395 | 172  | 396241   | 84.584  | ng    | -0.01    |                                   |
| 79) Terphenyl-d14             | 20.081 | 244  | 1053146  | 99.072  | ng    | -0.01    |                                   |
| Target Compounds              |        |      |          |         |       |          | Qvalue                            |
| 2) 1,4-Dioxane                | 3.524  | 88   | 11320    | 26.359  | ng    | #        | 70                                |
| 3) Pyridine                   | 3.941  | 79   | 28396    | 22.192  | ng    |          | 89                                |
| 4) n-Nitrosodimethylamine     | 3.836  | 42   | 24859    | 38.170  | ng    |          | 89                                |
| 6) Aniline                    | 7.467  | 93   | 19494    | 9.912   | ng    |          | 95                                |
| 8) 2-Chlorophenol             | 7.713  | 128  | 51401    | 42.199  | ng    |          | 94                                |
| 9) Benzaldehyde               | 7.279  | 77   | 16007    | 16.574  | ng    |          | 93                                |
| 10) Phenol                    | 7.332  | 94   | 59546    | 37.093  | ng    |          | 93                                |
| 11) bis(2-Chloroethyl)ether   | 7.561  | 93   | 37260    | 32.617  | ng    |          | 92                                |
| 12) 1,3-Dichlorobenzene       | 8.043  | 146  | 45057    | 32.147  | ng    |          | 94                                |
| 13) 1,4-Dichlorobenzene       | 8.189  | 146  | 47365    | 33.188  | ng    |          | 96                                |
| 14) 1,2-Dichlorobenzene       | 8.513  | 146  | 48514    | 35.058  | ng    |          | 96                                |
| 15) Benzyl Alcohol            | 8.389  | 79   | 50244    | 41.487  | ng    |          | 97                                |
| 16) 2,2'-oxybis(1-Chloropr... | 8.665  | 45   | 74390    | 27.512  | ng    |          | 96                                |
| 17) 2-Methylphenol            | 8.595  | 107  | 45872    | 40.385  | ng    |          | 94                                |
| 18) Hexachloroethane          | 9.247  | 117  | 16692    | 30.880  | ng    |          | 86                                |
| 19) n-Nitroso-di-n-propyla... | 8.953  | 70   | 36778    | 36.866  | ng    |          | 98                                |
| 20) 3+4-Methylphenols         | 8.918  | 107  | 62320    | 40.049  | ng    |          | 90                                |
| 22) Acetophenone              | 8.977  | 105  | 82324    | 41.791  | ng    | #        | 98                                |
| 24) Nitrobenzene              | 9.359  | 77   | 58716    | 39.737  | ng    |          | 99                                |
| 25) Isophorone                | 9.882  | 82   | 112053   | 40.237  | ng    |          | 96                                |
| 26) 2-Nitrophenol             | 10.075 | 139  | 31442    | 47.308  | ng    |          | 96                                |
| 27) 2,4-Dimethylphenol        | 10.128 | 122  | 54290    | 45.980  | ng    |          | 98                                |
| 28) bis(2-Chloroethoxy)met... | 10.363 | 93   | 58615    | 38.339  | ng    |          | 98                                |
| 29) 2,4-Dichlorophenol        | 10.610 | 162  | 65849    | 51.945  | ng    |          | 92                                |
| 30) 1,2,4-Trichlorobenzene    | 10.833 | 180  | 70941    | 46.344  | ng    |          | 99                                |
| 31) Naphthalene               | 11.021 | 128  | 163461   | 39.881  | ng    |          | 99                                |
| 32) Benzoic acid              | 10.246 | 122  | 28131m   | 35.503  | ng    |          |                                   |
| 33) 4-Chloroaniline           | 11.127 | 127  | 3934     | 2.399   | ng    | #        | 91                                |
| 34) Hexachlorobutadiene       | 11.309 | 225  | 59758    | 45.499  | ng    |          | 95                                |
| 35) Caprolactam               | 11.885 | 113  | 16074m   | 42.394  | ng    |          |                                   |
| 36) 4-Chloro-3-methylphenol   | 12.232 | 107  | 71124    | 50.408  | ng    |          | 97                                |
| 37) 2-Methylnaphthalene       | 12.614 | 142  | 124000   | 40.427  | ng    |          | 98                                |
| 38) 1-Methylnaphthalene       | 12.831 | 142  | 129585   | 42.531  | ng    |          | 98                                |
| 40) 1,2,4,5-Tetrachloroben... | 12.978 | 216  | 119517   | 46.983  | ng    |          | 98                                |
| 41) Hexachlorocyclopentadiene | 12.960 | 237  | 152230   | 83.488  | ng    |          | 97                                |
| 43) 2,4,6-Trichlorophenol     | 13.207 | 196  | 77868    | 52.155  | ng    |          | 99                                |

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|-------------------------------|--------|------|----------|--------|-------|----------|--------------------------------|
| 44) 2,4,5-Trichlorophenol     | 13.283 | 196  | 90410    | 53.991 | ng    | 97       | 12/12/2025                     |
| 46) 1,1'-Biphenyl             | 13.607 | 154  | 205685   | 43.811 | ng    | 98       | Supervised By :Jagrut Upadhyay |
| 47) 2-Chloronaphthalene       | 13.654 | 162  | 159492   | 43.121 | ng    | 99       |                                |
| 48) 2-Nitroaniline            | 13.842 | 65   | 51323    | 43.141 | ng    | 97       |                                |
| 49) Acenaphthylene            | 14.494 | 152  | 285010   | 45.104 | ng    | 98       |                                |
| 50) Dimethylphthalate         | 14.212 | 163  | 247598   | 47.952 | ng    | 99       |                                |
| 51) 2,6-Dinitrotoluene        | 14.329 | 165  | 51904    | 52.239 | ng    | 96       | 12/12/2025                     |
| 52) Acenaphthene              | 14.829 | 154  | 190622   | 50.313 | ng    | 97       |                                |
| 53) 3-Nitroaniline            | 14.658 | 138  | 6328     | 6.453  | ng    | 80       |                                |
| 54) 2,4-Dinitrophenol         | 14.864 | 184  | 51985    | 76.769 | ng    | 92       |                                |
| 55) Dibenzofuran              | 15.164 | 168  | 295085   | 47.111 | ng    | 98       |                                |
| 56) 4-Nitrophenol             | 14.964 | 139  | 69661    | 89.533 | ng    | # 83     |                                |
| 57) 2,4-Dinitrotoluene        | 15.111 | 165  | 75686    | 50.811 | ng    | 99       |                                |
| 58) Fluorene                  | 15.804 | 166  | 234305   | 47.695 | ng    | 98       |                                |
| 59) 2,3,4,6-Tetrachlorophenol | 15.381 | 232  | 100733   | 60.970 | ng    | 94       |                                |
| 60) Diethylphthalate          | 15.563 | 149  | 238151   | 48.146 | ng    | 99       |                                |
| 61) 4-Chlorophenyl-phenyle... | 15.792 | 204  | 153940   | 52.214 | ng    | 96       |                                |
| 62) 4-Nitroaniline            | 15.810 | 138  | 42458    | 41.793 | ng    | 92       |                                |
| 63) Azobenzene                | 16.086 | 77   | 167856   | 40.799 | ng    | 88       |                                |
| 65) 4,6-Dinitro-2-methylph... | 15.874 | 198  | 47141    | 49.423 | ng    | 87       |                                |
| 66) n-Nitrosodiphenylamine    | 16.004 | 169  | 214876   | 47.753 | ng    | 98       |                                |
| 67) 4-Bromophenyl-phenylether | 16.685 | 248  | 122330   | 54.224 | ng    | 96       |                                |
| 68) Hexachlorobenzene         | 16.809 | 284  | 148334   | 54.270 | ng    | # 91     |                                |
| 69) Atrazine                  | 16.944 | 200  | 92361    | 42.573 | ng    | 98       |                                |
| 70) Pentachlorophenol         | 17.149 | 266  | 160875   | 97.967 | ng    | 97       |                                |
| 71) Phenanthrene              | 17.537 | 178  | 437819   | 46.580 | ng    | 99       |                                |
| 72) Anthracene                | 17.631 | 178  | 444938   | 46.424 | ng    | 99       |                                |
| 73) Carbazole                 | 17.890 | 167  | 366909   | 44.532 | ng    | 99       |                                |
| 74) Di-n-butylphthalate       | 18.436 | 149  | 415672   | 45.221 | ng    | 98       |                                |
| 75) Fluoranthene              | 19.535 | 202  | 565393   | 43.989 | ng    | 98       |                                |
| 77) Benzidine                 | 19.717 | 184  | 59220m   | 9.456  | ng    |          |                                |
| 78) Pyrene                    | 19.893 | 202  | 583394   | 49.780 | ng    | 98       |                                |
| 80) Butylbenzylphthalate      | 20.757 | 149  | 182831   | 44.353 | ng    | 94       |                                |
| 81) Benzo(a)anthracene        | 21.726 | 228  | 665418   | 46.800 | ng    | 98       |                                |
| 82) 3,3'-Dichlorobenzidine    | 21.632 | 252  | 68294    | 13.050 | ng    | 98       |                                |
| 83) Chrysene                  | 21.797 | 228  | 638250   | 47.614 | ng    | 98       |                                |
| 84) Bis(2-ethylhexyl)phtha... | 21.621 | 149  | 257305   | 42.716 | ng    | # 99     |                                |
| 85) Di-n-octyl phthalate      | 22.843 | 149  | 430871   | 41.381 | ng    | 99       |                                |
| 87) Indeno(1,2,3-cd)pyrene    | 28.736 | 276  | 842557   | 51.797 | ng    | # 98     |                                |
| 88) Benzo(b)fluoranthene      | 23.971 | 252  | 703217   | 46.672 | ng    | # 98     |                                |
| 89) Benzo(k)fluoranthene      | 24.036 | 252  | 679467   | 44.886 | ng    | # 98     |                                |
| 90) Benzo(a)pyrene            | 24.852 | 252  | 648908   | 46.427 | ng    | # 98     |                                |
| 91) Dibenzo(a,h)anthracene    | 28.795 | 278  | 721591   | 54.150 | ng    | # 96     |                                |
| 92) Benzo(g,h,i)perylene      | 29.905 | 276  | 694419   | 54.146 | ng    | # 96     |                                |

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

## Manual Integrations

Quant Time: Dec 11 18:11:28 2025  
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