

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG090525\  
 Data File : BG064291.D  
 Acq On : 5 Sep 2025 13:45  
 Operator : RC/JU  
 Sample : Q2126-03  
 Misc : MDL-SOIL 8PPM  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 MDL-SOIL-03-QT2-2025

Quant Time: Sep 05 14:21:31 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG082825.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Aug 28 17:41:58 2025  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Rahul Chavli 09/08/2025  
 Supervised By :Jagrut Upadhyay 09/08/2025

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.855  | 152  | 25663    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.640 | 136  | 109658   | 20.000  | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 14.477 | 164  | 81864    | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.215 | 188  | 196716   | 20.000  | ng    | #-0.01   |
| 76) Chrysene-d12              | 21.451 | 240  | 214369   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 24.459 | 264  | 231268   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.440  | 112  | 162510   | 113.610 | ng    | 0.00     |
| 7) Phenol-d6                  | 7.021  | 99   | 229065   | 116.564 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.001  | 82   | 172844   | 87.906  | ng    | -0.02    |
| 42) 2,4,6-Tribromophenol      | 15.963 | 330  | 152553   | 140.689 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.102 | 172  | 458740   | 85.532  | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.841 | 244  | 925036   | 90.029  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.360  | 88   | 5262     | 8.826   | ng    | # 76     |
| 3) Pyridine                   | 3.748  | 79   | 11247    | 6.408   | ng    | # 62     |
| 4) n-Nitrosodimethylamine     | 3.660  | 42   | 8610     | 7.417   | ng    | # 94     |
| 6) Aniline                    | 7.179  | 93   | 19075    | 7.019   | ng    | # 87     |
| 8) 2-Chlorophenol             | 7.420  | 128  | 12605    | 7.211   | ng    | 96       |
| 9) Benzaldehyde               | 6.991  | 77   | 10367    | 6.410   | ng    | 95       |
| 10) Phenol                    | 7.044  | 94   | 14580    | 6.729   | ng    | # 70     |
| 11) bis(2-Chloroethyl)ether   | 7.279  | 93   | 10542    | 6.475   | ng    | 88       |
| 12) 1,3-Dichlorobenzene       | 7.743  | 146  | 14244m   | 7.660   | ng    |          |
| 13) 1,4-Dichlorobenzene       | 7.890  | 146  | 14454    | 7.702   | ng    | 93       |
| 14) 1,2-Dichlorobenzene       | 8.202  | 146  | 13397m   | 7.396   | ng    |          |
| 15) Benzyl Alcohol            | 8.084  | 79   | 12686    | 6.995   | ng    | # 86     |
| 16) 2,2'-oxybis(1-Chloropr... | 8.378  | 45   | 21478    | 5.778   | ng    | 97       |
| 17) 2-Methylphenol            | 8.290  | 107  | 10229    | 6.335   | ng    | # 89     |
| 18) Hexachloroethane          | 8.930  | 117  | 5300     | 7.235   | ng    | 91       |
| 19) n-Nitroso-di-n-propyla... | 8.654  | 70   | 10008    | 6.654   | ng    | # 92     |
| 20) 3+4-Methylphenols         | 8.613  | 107  | 13373    | 5.960   | ng    | 86       |
| 22) Acetophenone              | 8.672  | 105  | 21723    | 7.830   | ng    | # 94     |
| 24) Nitrobenzene              | 9.042  | 77   | 15029    | 7.316   | ng    | 97       |
| 25) Isophorone                | 9.565  | 82   | 31115    | 7.614   | ng    | 99       |
| 26) 2-Nitrophenol             | 9.753  | 139  | 6907     | 7.781   | ng    | 88       |
| 27) 2,4-Dimethylphenol        | 9.823  | 122  | 12427    | 7.974   | ng    | 96       |
| 28) bis(2-Chloroethoxy)met... | 10.047 | 93   | 16021    | 7.271   | ng    | 97       |
| 29) 2,4-Dichlorophenol        | 10.287 | 162  | 12115    | 7.367   | ng    | 93       |
| 30) 1,2,4-Trichlorobenzene    | 10.505 | 180  | 14091    | 8.127   | ng    | 93       |
| 31) Naphthalene               | 10.687 | 128  | 42027    | 7.391   | ng    | 96       |
| 32) Benzoic acid              | 9.906  | 122  | 7137m    | 5.769   | ng    |          |
| 33) 4-Chloroaniline           | 10.799 | 127  | 16988    | 7.708   | ng    | 98       |
| 34) Hexachlorobutadiene       | 10.981 | 225  | 10473    | 8.172   | ng    | 91       |
| 35) Caprolactam               | 11.545 | 113  | 3792     | 5.956   | ng    | # 63     |
| 36) 4-Chloro-3-methylphenol   | 11.921 | 107  | 15777    | 7.395   | ng    | 96       |
| 37) 2-Methylnaphthalene       | 12.297 | 142  | 27880    | 6.596   | ng    | 96       |
| 38) 1-Methylnaphthalene       | 12.514 | 142  | 31106    | 7.451   | ng    | 96       |
| 40) 1,2,4,5-Tetrachloroben... | 12.667 | 216  | 18408    | 7.793   | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 12.649 | 237  | 9531     | 8.490   | ng    | 97       |
| 43) 2,4,6-Trichlorophenol     | 12.908 | 196  | 11637    | 7.371   | ng    | 99       |

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|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 12.984 | 196  | 13345m   | 7.792  | ng    |          |
| 46) 1,1'-Biphenyl             | 13.307 | 154  | 43758    | 7.339  | ng    | 96       |
| 47) 2-Chloronaphthalene       | 13.349 | 162  | 32228    | 7.190  | ng    | 93       |
| 48) 2-Nitroaniline            | 13.554 | 65   | 11395    | 7.458  | ng    | 84       |
| 49) Acenaphthylene            | 14.201 | 152  | 52811    | 7.970  | ng    | 98       |
| 50) Dimethylphthalate         | 13.930 | 163  | 46445    | 7.495  | ng    | 96       |
| 51) 2,6-Dinitrotoluene        | 14.048 | 165  | 10018    | 8.351  | ng    | 88       |
| 52) Acenaphthene              | 14.541 | 154  | 34070    | 7.286  | ng    | 97       |
| 53) 3-Nitroaniline            | 14.377 | 138  | 8567     | 6.818  | ng    | 94       |
| 54) 2,4-Dinitrophenol         | 14.588 | 184  | 3758     | 10.108 | ng    | # 83     |
| 55) Dibenzofuran              | 14.876 | 168  | 56443    | 7.674  | ng    | 93       |
| 56) 4-Nitrophenol             | 14.694 | 139  | 5889     | 5.713  | ng    | # 83     |
| 57) 2,4-Dinitrotoluene        | 14.835 | 165  | 14561    | 8.028  | ng    | # 91     |
| 58) Fluorene                  | 15.523 | 166  | 44426    | 7.369  | ng    | 94       |
| 59) 2,3,4,6-Tetrachlorophenol | 15.105 | 232  | 13567    | 8.237  | ng    | 96       |
| 60) Diethylphthalate          | 15.299 | 149  | 50982    | 7.688  | ng    | 97       |
| 61) 4-Chlorophenyl-phenyle... | 15.517 | 204  | 24137    | 8.030  | ng    | 92       |
| 62) 4-Nitroaniline            | 15.540 | 138  | 9529     | 7.432  | ng    | 91       |
| 63) Azobenzene                | 15.810 | 77   | 43875    | 7.423  | ng    | 95       |
| 65) 4,6-Dinitro-2-methylph... | 15.599 | 198  | 7781     | 6.889  | ng    | 92       |
| 66) n-Nitrosodiphenylamine    | 15.728 | 169  | 40877    | 7.554  | ng    | 96       |
| 67) 4-Bromophenyl-phenylether | 16.410 | 248  | 16963    | 8.119  | ng    | 95       |
| 68) Hexachlorobenzene         | 16.527 | 284  | 17463    | 7.526  | ng    | # 91     |
| 69) Atrazine                  | 16.680 | 200  | 18411    | 8.148  | ng    | 98       |
| 70) Pentachlorophenol         | 16.868 | 266  | 9268     | 6.588  | ng    | 90       |
| 71) Phenanthrene              | 17.262 | 178  | 78462    | 7.562  | ng    | 97       |
| 72) Anthracene                | 17.350 | 178  | 78191    | 7.409  | ng    | 97       |
| 73) Carbazole                 | 17.620 | 167  | 72749    | 7.825  | ng    | 98       |
| 74) Di-n-butylphthalate       | 18.184 | 149  | 85123    | 7.621  | ng    | 98       |
| 75) Fluoranthene              | 19.271 | 202  | 94985    | 7.786  | ng    | 97       |
| 77) Benzidine                 | 19.453 | 184  | 42691    | 9.467  | ng    | 95       |
| 78) Pyrene                    | 19.629 | 202  | 96585    | 7.151  | ng    | 98       |
| 80) Butylbenzylphthalate      | 20.528 | 149  | 39490    | 7.752  | ng    | 95       |
| 81) Benzo(a)anthracene        | 21.427 | 228  | 100539   | 7.331  | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 21.351 | 252  | 37254    | 8.341  | ng    | 93       |
| 83) Chrysene                  | 21.492 | 228  | 94584    | 7.184  | ng    | 100      |
| 84) Bis(2-ethylhexyl)phtha... | 21.357 | 149  | 57062    | 7.461  | ng    | 99       |
| 85) Di-n-octyl phthalate      | 22.497 | 149  | 94898    | 7.121  | ng    | 98       |
| 87) Indeno(1,2,3-cd)pyrene    | 27.832 | 276  | 118131   | 7.480  | ng    | 98       |
| 88) Benzo(b)fluoranthene      | 23.507 | 252  | 96174    | 7.368  | ng    | 98       |
| 89) Benzo(k)fluoranthene      | 23.566 | 252  | 101473m  | 7.631  | ng    |          |
| 90) Benzo(a)pyrene            | 24.312 | 252  | 94989    | 7.823  | ng    | 93       |
| 91) Dibenzo(a,h)anthracene    | 27.890 | 278  | 95833    | 7.557  | ng    | # 98     |
| 92) Benzo(g,h,i)perylene      | 28.877 | 276  | 93937    | 7.613  | ng    | # 94     |

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

