

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP100625\  
 Data File : BP025936.D  
 Acq On : 06 Oct 2025 23:51  
 Operator : CG/JU  
 Sample : Q3289-05MSD  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 72-11966MSD

Quant Time: Oct 07 02:11:44 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP091225.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Oct 06 19:16:54 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.737  | 152  | 153847   | 20.000 | ng    | -0.02    |
| 21) Naphthalene-d8            | 10.502 | 136  | 597298   | 20.000 | ng    | -0.02    |
| 39) Acenaphthene-d10          | 14.342 | 164  | 396048   | 20.000 | ng    | -0.04    |
| 64) Phenanthrene-d10          | 17.136 | 188  | 796318   | 20.000 | ng    | -0.05    |
| 76) Chrysene-d12              | 21.577 | 240  | 842677   | 20.000 | ng    | -0.06    |
| 86) Perylene-d12              | 24.918 | 264  | 987151   | 20.000 | ng    | -0.08    |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.378  | 112  | 666428   | 69.895 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.943  | 99   | 881935   | 69.590 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 8.884  | 82   | 519129   | 38.338 | ng    | -0.02    |
| 42) 2,4,6-Tribromophenol      | 15.860 | 330  | 325277   | 65.847 | ng    | -0.05    |
| 45) 2-Fluorobiphenyl          | 12.960 | 172  | 1047798  | 35.227 | ng    | -0.03    |
| 79) Terphenyl-d14             | 19.854 | 244  | 1987759  | 42.436 | ng    | -0.06    |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.302  | 88   | 146533   | 36.617 | ng    | 95       |
| 3) Pyridine                   | 3.702  | 79   | 408105   | 37.036 | ng    | 95       |
| 4) n-Nitrosodimethylamine     | 3.608  | 42   | 195428   | 37.586 | ng    | 90       |
| 6) Aniline                    | 7.078  | 93   | 556598   | 31.994 | ng    | 100      |
| 8) 2-Chlorophenol             | 7.319  | 128  | 476557   | 45.560 | ng    | 97       |
| 9) Benzaldehyde               | 6.896  | 77   | 245608   | 32.333 | ng    | 100      |
| 10) Phenol                    | 6.966  | 94   | 590021   | 44.152 | ng    | 98       |
| 11) bis(2-Chloroethyl)ether   | 7.172  | 93   | 451325   | 42.037 | ng    | 95       |
| 12) 1,3-Dichlorobenzene       | 7.625  | 146  | 512146   | 43.021 | ng    | 99       |
| 13) 1,4-Dichlorobenzene       | 7.772  | 146  | 525451   | 43.331 | ng    | 99       |
| 14) 1,2-Dichlorobenzene       | 8.084  | 146  | 505666   | 42.923 | ng    | 99       |
| 15) Benzyl Alcohol            | 7.978  | 79   | 438725   | 41.894 | ng    | 99       |
| 16) 2,2'-oxybis(1-Chloropr... | 8.255  | 45   | 658434   | 37.501 | ng    | 96       |
| 17) 2-Methylphenol            | 8.190  | 107  | 398145   | 44.191 | ng    | 99       |
| 18) Hexachloroethane          | 8.796  | 117  | 198706   | 42.899 | ng    | 98       |
| 19) n-Nitroso-di-n-propyla... | 8.531  | 70   | 353849   | 40.031 | ng    | 96       |
| 20) 3+4-Methylphenols         | 8.519  | 107  | 529909   | 41.997 | ng    | 99       |
| 22) Acetophenone              | 8.549  | 105  | 779767   | 48.851 | ng    | 99       |
| 24) Nitrobenzene              | 8.925  | 77   | 523406   | 43.088 | ng    | 96       |
| 25) Isophorone                | 9.454  | 82   | 987364   | 41.485 | ng    | 99       |
| 26) 2-Nitrophenol             | 9.631  | 139  | 259533   | 48.122 | ng    | 94       |
| 27) 2,4-Dimethylphenol        | 9.702  | 122  | 436229   | 46.105 | ng    | 99       |
| 28) bis(2-Chloroethoxy)met... | 9.919  | 93   | 587314   | 42.690 | ng    | 98       |
| 29) 2,4-Dichlorophenol        | 10.184 | 162  | 457164   | 48.461 | ng    | 99       |
| 30) 1,2,4-Trichlorobenzene    | 10.366 | 180  | 483089   | 45.438 | ng    | 98       |
| 31) Naphthalene               | 10.554 | 128  | 1398891  | 43.435 | ng    | 99       |
| 32) Benzoic acid              | 9.896  | 122  | 369409   | 52.514 | ng    | 97       |
| 33) 4-Chloroaniline           | 10.672 | 127  | 400610   | 29.843 | ng    | 98       |
| 34) Hexachlorobutadiene       | 10.831 | 225  | 317171   | 46.342 | ng    | 100      |
| 35) Caprolactam               | 11.478 | 113  | 152525   | 41.942 | ng    | 94       |
| 36) 4-Chloro-3-methylphenol   | 11.813 | 107  | 506174   | 45.005 | ng    | 97       |
| 37) 2-Methylnaphthalene       | 12.160 | 142  | 920519   | 44.500 | ng    | 100      |
| 38) 1-Methylnaphthalene       | 12.378 | 142  | 942791   | 42.740 | ng    | 100      |
| 40) 1,2,4,5-Tetrachloroben... | 12.531 | 216  | 615663   | 51.300 | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 12.501 | 237  | 462938   | 70.825 | ng    | 99       |
| 43) 2,4,6-Trichlorophenol     | 12.784 | 196  | 373504   | 47.341 | ng    | 99       |

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| 44) 2,4,5-Trichlorophenol     | 12.878 | 196  | 416934   | 47.483 | ng    | 96       |
| 46) 1,1'-Biphenyl             | 13.166 | 154  | 1424546  | 49.004 | ng    | 100      |
| 47) 2-Chloronaphthalene       | 13.213 | 162  | 1030182  | 45.006 | ng    | 100      |
| 48) 2-Nitroaniline            | 13.431 | 65   | 336501   | 44.101 | ng    | 96       |
| 49) Acenaphthylene            | 14.066 | 152  | 1684166  | 44.407 | ng    | 99       |
| 50) Dimethylphthalate         | 13.801 | 163  | 1298148  | 42.932 | ng    | 100      |
| 51) 2,6-Dinitrotoluene        | 13.919 | 165  | 287657   | 44.903 | ng    | 96       |
| 52) Acenaphthene              | 14.407 | 154  | 947425   | 43.318 | ng    | 99       |
| 53) 3-Nitroaniline            | 14.266 | 138  | 221945   | 32.946 | ng    | 98       |
| 54) 2,4-Dinitrophenol         | 14.484 | 184  | 329980   | 79.271 | ng    | 95       |
| 55) Dibenzofuran              | 14.748 | 168  | 1539669  | 43.193 | ng    | 98       |
| 56) 4-Nitrophenol             | 14.637 | 139  | 411551   | 71.448 | ng    | 98       |
| 57) 2,4-Dinitrotoluene        | 14.731 | 165  | 428603   | 47.012 | ng    | 96       |
| 58) Fluorene                  | 15.407 | 166  | 1260416  | 44.466 | ng    | 100      |
| 59) 2,3,4,6-Tetrachlorophenol | 14.990 | 232  | 377295   | 47.700 | ng    | 96       |
| 60) Diethylphthalate          | 15.172 | 149  | 1346346  | 43.896 | ng    | 100      |
| 61) 4-Chlorophenyl-phenyle... | 15.395 | 204  | 648675   | 45.408 | ng    | 97       |
| 62) 4-Nitroaniline            | 15.442 | 138  | 310095   | 44.932 | ng    | 98       |
| 63) Azobenzene                | 15.695 | 77   | 1339837  | 45.178 | ng    | 96       |
| 65) 4,6-Dinitro-2-methylph... | 15.507 | 198  | 251262   | 47.446 | ng    | 91       |
| 66) n-Nitrosodiphenylamine    | 15.619 | 169  | 1118395  | 45.894 | ng    | 100      |
| 67) 4-Bromophenyl-phenylether | 16.307 | 248  | 428958   | 49.034 | ng    | 99       |
| 68) Hexachlorobenzene         | 16.431 | 284  | 470741   | 48.253 | ng    | 93       |
| 69) Atrazine                  | 16.595 | 200  | 446872   | 47.973 | ng    | 98       |
| 70) Pentachlorophenol         | 16.795 | 266  | 615102   | 95.531 | ng    | 98       |
| 71) Phenanthrene              | 17.184 | 178  | 2047806  | 45.334 | ng    | 99       |
| 72) Anthracene                | 17.278 | 178  | 2088190  | 45.561 | ng    | 99       |
| 73) Carbazole                 | 17.560 | 167  | 1938033  | 45.483 | ng    | 99       |
| 74) Di-n-butylphthalate       | 18.136 | 149  | 2433350  | 46.535 | ng    | 100      |
| 75) Fluoranthene              | 19.266 | 202  | 2510296  | 46.336 | ng    | 100      |
| 77) Benzidine                 | 19.466 | 184  | 1529951  | 63.029 | ng    | 99       |
| 78) Pyrene                    | 19.642 | 202  | 2575806  | 45.810 | ng    | 100      |
| 80) Butylbenzylphthalate      | 20.583 | 149  | 1158170  | 46.977 | ng    | 99       |
| 81) Benzo(a)anthracene        | 21.554 | 228  | 2629313  | 45.576 | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 21.483 | 252  | 730308   | 36.611 | ng    | 100      |
| 83) Chrysene                  | 21.630 | 228  | 2508791  | 45.619 | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 21.477 | 149  | 1687086  | 46.773 | ng    | 100      |
| 85) Di-n-octyl phthalate      | 22.742 | 149  | 3070894  | 47.863 | ng    | 97       |
| 87) Indeno(1,2,3-cd)pyrene    | 28.730 | 276  | 3415944  | 47.584 | ng    | # 84     |
| 88) Benzo(b)fluoranthene      | 23.854 | 252  | 2762862  | 45.768 | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 23.924 | 252  | 2782424  | 45.169 | ng    | 99       |
| 90) Benzo(a)pyrene            | 24.760 | 252  | 2696595  | 45.615 | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 28.801 | 278  | 2790347  | 47.499 | ng    | 98       |
| 92) Benzo(g,h,i)perylene      | 29.906 | 276  | 2772460  | 47.989 | ng    | 98       |

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

