

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP041125\  
 Data File : BP024266.D  
 Acq On : 11 Apr 2025 15:00  
 Operator : RC/JU  
 Sample : Q1748-04MSD  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 IB-1.5-WCMSD

Manual Integrations  
 APPROVED

Reviewed By :Rahul Chavli 04/14/2025  
 Supervised By :Jagrut Upadhyay 04/14/2025

Quant Time: Apr 11 15:25:10 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP031225.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Apr 10 11:43:37 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.740  | 152  | 263233   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.516 | 136  | 1024669  | 20.000  | ng    | -0.01    |
| 39) Acenaphthene-d10          | 14.375 | 164  | 625891   | 20.000  | ng    | -0.02    |
| 64) Phenanthrene-d10          | 17.175 | 188  | 1269585  | 20.000  | ng    | -0.02    |
| 76) Chrysene-d12              | 21.622 | 240  | 1347511  | 20.000  | ng    | -0.02    |
| 86) Perylene-d12              | 24.980 | 264  | 604991   | 20.000  | ng    | #-0.03   |
|                               |        |      |          |         |       |          |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.358  | 112  | 2378846  | 144.257 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.928  | 99   | 2868568  | 130.082 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 8.887  | 82   | 1876741  | 103.338 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 15.887 | 330  | 1412322  | 179.140 | ng    | -0.01    |
| 45) 2-Fluorobiphenyl          | 12.987 | 172  | 3987446  | 93.940  | ng    | -0.01    |
| 79) Terphenyl-d14             | 19.898 | 244  | 6970849  | 106.785 | ng    | -0.02    |
|                               |        |      |          |         |       |          |
| Target Compounds              |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.311  | 88   | 250645   | 38.345  | ng    | # 76     |
| 3) Pyridine                   | 3.705  | 79   | 766858   | 42.914  | ng    | 97       |
| 4) n-Nitrosodimethylamine     | 3.605  | 42   | 251770   | 42.178  | ng    | 100      |
| 6) Aniline                    | 7.081  | 93   | 237669   | 11.829  | ng    | 98       |
| 8) 2-Chlorophenol             | 7.316  | 128  | 815068   | 45.759  | ng    | 99       |
| 9) Benzaldehyde               | 6.893  | 77   | 215811   | 20.279  | ng    | 98       |
| 10) Phenol                    | 6.952  | 94   | 939518   | 42.204  | ng    | 99       |
| 11) bis(2-Chloroethyl)ether   | 7.169  | 93   | 747961   | 42.606  | ng    | 99       |
| 12) 1,3-Dichlorobenzene       | 7.628  | 146  | 776529   | 40.427  | ng    | 100      |
| 13) 1,4-Dichlorobenzene       | 7.775  | 146  | 791991   | 40.383  | ng    | 99       |
| 14) 1,2-Dichlorobenzene       | 8.087  | 146  | 774610   | 41.158  | ng    | 99       |
| 15) Benzyl Alcohol            | 7.981  | 79   | 451523   | 32.342  | ng    | 98       |
| 16) 2,2'-oxybis(1-Chloropr... | 8.263  | 45   | 816372   | 45.563  | ng    | 97       |
| 17) 2-Methylphenol            | 8.181  | 107  | 677807   | 48.555  | ng    | 99       |
| 18) Hexachloroethane          | 8.810  | 117  | 283685   | 40.771  | ng    | 98       |
| 19) n-Nitroso-di-n-propyla... | 8.540  | 70   | 563783   | 44.069  | ng    | 99       |
| 20) 3+4-Methylphenols         | 8.505  | 107  | 925546   | 48.259  | ng    | 98       |
| 22) Acetophenone              | 8.552  | 105  | 1159395  | 44.754  | ng    | 99       |
| 24) Nitrobenzene              | 8.928  | 77   | 832032   | 46.441  | ng    | 99       |
| 25) Isophorone                | 9.452  | 82   | 1593180  | 51.176  | ng    | 99       |
| 26) 2-Nitrophenol             | 9.634  | 139  | 421515   | 49.255  | ng    | 99       |
| 27) 2,4-Dimethylphenol        | 9.699  | 122  | 774521   | 70.384  | ng    | 98       |
| 28) bis(2-Chloroethoxy)met... | 9.928  | 93   | 923700   | 42.176  | ng    | 100      |
| 29) 2,4-Dichlorophenol        | 10.169 | 162  | 741080   | 49.783  | ng    | 98       |
| 30) 1,2,4-Trichlorobenzene    | 10.375 | 180  | 719976   | 43.776  | ng    | 99       |
| 31) Naphthalene               | 10.563 | 128  | 2358188  | 43.416  | ng    | 100      |
| 32) Benzoic acid              | 9.840  | 122  | 540827   | 50.394  | ng    | 97       |
| 33) 4-Chloroaniline           | 10.681 | 127  | 107792   | 5.545   | ng    | 97       |
| 34) Hexachlorobutadiene       | 10.851 | 225  | 411310   | 43.454  | ng    | 98       |
| 35) Caprolactam               | 11.469 | 113  | 251034   | 51.454  | ng    | 99       |
| 36) 4-Chloro-3-methylphenol   | 11.810 | 107  | 858833   | 53.480  | ng    | 99       |
| 37) 2-Methylnaphthalene       | 12.181 | 142  | 1509811  | 41.145  | ng    | 100      |
| 38) 1-Methylnaphthalene       | 12.398 | 142  | 1590749  | 44.570  | ng    | 99       |
| 40) 1,2,4,5-Tetrachloroben... | 12.546 | 216  | 801448   | 44.297  | ng    | 98       |
| 41) Hexachlorocyclopentadiene | 12.528 | 237  | 1101971  | 168.968 | ng    | 98       |
| 43) 2,4,6-Trichlorophenol     | 12.793 | 196  | 590161   | 51.326  | ng    | 99       |

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|-------------------------------|--------|------|----------|---------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 12.869 | 196  | 671811   | 53.277  | ng    | 98       |
| 46) 1,1'-Biphenyl             | 13.198 | 154  | 2147562  | 45.661  | ng    | 100      |
| 47) 2-Chloronaphthalene       | 13.240 | 162  | 1635181  | 46.222  | ng    | 99       |
| 48) 2-Nitroaniline            | 13.445 | 65   | 476163   | 52.624  | ng    | 98       |
| 49) Acenaphthylene            | 14.092 | 152  | 2754375  | 51.456  | ng    | 100      |
| 50) Dimethylphthalate         | 13.834 | 163  | 2208995  | 50.440  | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 13.945 | 165  | 492069   | 53.401  | ng    | 99       |
| 52) Acenaphthene              | 14.440 | 154  | 1612157  | 47.138  | ng    | 99       |
| 53) 3-Nitroaniline            | 14.281 | 138  | 141326   | 14.200  | ng    | 95       |
| 54) 2,4-Dinitrophenol         | 14.492 | 184  | 664698   | 136.328 | ng    | 96       |
| 55) Dibenzofuran              | 14.781 | 168  | 2534651  | 45.752  | ng    | 97       |
| 56) 4-Nitrophenol             | 14.610 | 139  | 993078   | 119.418 | ng    | 98       |
| 57) 2,4-Dinitrotoluene        | 14.751 | 165  | 715143   | 58.755  | ng    | 98       |
| 58) Fluorene                  | 15.439 | 166  | 2100315  | 48.659  | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol | 15.016 | 232  | 588377   | 52.813  | ng    | 98       |
| 60) Diethylphthalate          | 15.216 | 149  | 2190498  | 50.227  | ng    | 100      |
| 61) 4-Chlorophenyl-phenyle... | 15.434 | 204  | 1013792  | 47.887  | ng    | 97       |
| 62) 4-Nitroaniline            | 15.463 | 138  | 363825   | 34.855  | ng    | 100      |
| 63) Azobenzene                | 15.734 | 77   | 1979228  | 48.150  | ng    | 99       |
| 65) 4,6-Dinitro-2-methylph... | 15.528 | 198  | 416210   | 55.222  | ng    | 95       |
| 66) n-Nitrosodiphenylamine    | 15.651 | 169  | 945302   | 24.520  | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 16.345 | 248  | 663399   | 47.593  | ng    | 99       |
| 68) Hexachlorobenzene         | 16.469 | 284  | 787040   | 47.705  | ng    | 99       |
| 69) Atrazine                  | 16.628 | 200  | 114541   | 12.309  | ng    | 99       |
| 70) Pentachlorophenol         | 16.816 | 266  | 1182455  | 110.830 | ng    | 99       |
| 71) Phenanthrene              | 17.216 | 178  | 3402535  | 49.058  | ng    | 99       |
| 72) Anthracene                | 17.310 | 178  | 3403799  | 50.389  | ng    | 99       |
| 73) Carbazole                 | 17.592 | 167  | 1148669  | 17.633  | ng    | 100      |
| 74) Di-n-butylphthalate       | 18.180 | 149  | 3940573  | 50.956  | ng    | 100      |
| 75) Fluoranthene              | 19.298 | 202  | 4021865  | 50.069  | ng    | 99       |
| 77) Benzidine                 | 19.510 | 184  | 31788m   | 2.158   | ng    |          |
| 78) Pyrene                    | 19.680 | 202  | 4077965  | 48.678  | ng    | 100      |
| 80) Butylbenzylphthalate      | 20.633 | 149  | 1859078  | 53.813  | ng    | 98       |
| 81) Benzo(a)anthracene        | 21.604 | 228  | 4178675  | 49.878  | ng    | 100      |
| 82) 3,3'-Dichlorobenzidine    | 21.527 | 252  | 93478    | 3.329   | ng    | 97       |
| 83) Chrysene                  | 21.674 | 228  | 3955205  | 49.110  | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 21.539 | 149  | 2655288  | 50.938  | ng    | 100      |
| 85) Di-n-octyl phthalate      | 22.827 | 149  | 4511896  | 54.022  | ng    | 100      |
| 87) Indeno(1,2,3-cd)pyrene    | 28.792 | 276  | 4539854m | 107.519 | ng    |          |
| 88) Benzo(b)fluoranthene      | 23.915 | 252  | 4459795  | 122.262 | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 23.992 | 252  | 4191765  | 117.477 | ng    | 99       |
| 90) Benzo(a)pyrene            | 24.833 | 252  | 3444003  | 108.577 | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 28.892 | 278  | 4286090  | 122.013 | ng    | 99       |
| 92) Benzo(g,h,i)perylene      | 29.986 | 276  | 3479023  | 97.427  | ng    | 100      |

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

