

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF052125\  
 Data File : BF142487.D  
 Acq On : 21 May 2025 15:06  
 Operator : RC/JU  
 Sample : Q2075-04MS  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SS-11MS

Quant Time: May 21 15:50:04 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF052025.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue May 20 16:26:47 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.898  | 152  | 54835    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.181  | 136  | 200654   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.939  | 164  | 113830   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.427 | 188  | 229012   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 14.068 | 240  | 210926   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 15.563 | 264  | 176162   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.504  | 112  | 317682   | 97.605  | ng    | -0.01    |
| 7) Phenol-d6                  | 6.516  | 99   | 383061   | 97.770  | ng    | -0.02    |
| 23) Nitrobenzene-d5           | 7.457  | 82   | 222361   | 60.428  | ng    | -0.02    |
| 42) 2,4,6-Tribromophenol      | 10.728 | 330  | 143338   | 113.457 | ng    | -0.01    |
| 45) 2-Fluorobiphenyl          | 9.257  | 172  | 437751   | 51.603  | ng    | -0.01    |
| 79) Terphenyl-d14             | 13.010 | 244  | 640281   | 41.482  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.634  | 88   | 48586    | 37.304  | ng    | 100      |
| 3) Pyridine                   | 3.410  | 79   | 130372   | 39.308  | ng    | 99       |
| 4) n-Nitrosodimethylamine     | 3.346  | 42   | 69967    | 40.629  | ng    | 99       |
| 6) Aniline                    | 6.557  | 93   | 118384   | 22.472  | ng    | 98       |
| 8) 2-Chlorophenol             | 6.681  | 128  | 145011   | 40.904  | ng    | 99       |
| 9) Benzaldehyde               | 6.445  | 77   | 91556    | 38.852  | ng    | 98       |
| 10) Phenol                    | 6.528  | 94   | 180038   | 40.838  | ng    | 100      |
| 11) bis(2-Chloroethyl)ether   | 6.628  | 93   | 125263   | 39.472  | ng    | 98       |
| 12) 1,3-Dichlorobenzene       | 6.840  | 146  | 159388   | 40.291  | ng    | 98       |
| 13) 1,4-Dichlorobenzene       | 6.916  | 146  | 161291   | 40.477  | ng    | 98       |
| 14) 1,2-Dichlorobenzene       | 7.069  | 146  | 153379   | 40.226  | ng    | 99       |
| 15) Benzyl Alcohol            | 7.034  | 79   | 116330   | 40.178  | ng    | 100      |
| 16) 2,2'-oxybis(1-Chloropr... | 7.169  | 45   | 207807   | 38.993  | ng    | 100      |
| 17) 2-Methylphenol            | 7.140  | 107  | 112125   | 40.510  | ng    | 99       |
| 18) Hexachloroethane          | 7.410  | 117  | 55846    | 40.136  | ng    | 97       |
| 19) n-Nitroso-di-n-propyla... | 7.304  | 70   | 93232    | 38.396  | ng    | 100      |
| 20) 3+4-Methylphenols         | 7.292  | 107  | 144305   | 40.713  | ng    | # 87     |
| 22) Acetophenone              | 7.304  | 105  | 193459   | 43.554  | ng    | 99       |
| 24) Nitrobenzene              | 7.475  | 77   | 141023   | 42.492  | ng    | 98       |
| 25) Isophorone                | 7.716  | 82   | 246928   | 40.136  | ng    | 98       |
| 26) 2-Nitrophenol             | 7.792  | 139  | 75333    | 42.480  | ng    | 99       |
| 27) 2,4-Dimethylphenol        | 7.828  | 122  | 132431   | 42.346  | ng    | 99       |
| 28) bis(2-Chloroethoxy)met... | 7.928  | 93   | 154653   | 40.240  | ng    | 100      |
| 29) 2,4-Dichlorophenol        | 8.034  | 162  | 119698   | 42.087  | ng    | 99       |
| 30) 1,2,4-Trichlorobenzene    | 8.122  | 180  | 128865   | 41.750  | ng    | 97       |
| 31) Naphthalene               | 8.204  | 128  | 419286   | 42.437  | ng    | 100      |
| 32) Benzoic acid              | 7.916  | 122  | 88423m   | 46.448  | ng    |          |
| 33) 4-Chloroaniline           | 8.251  | 127  | 40768    | 10.183  | ng    | 99       |
| 34) Hexachlorobutadiene       | 8.322  | 225  | 79280    | 41.136  | ng    | 99       |
| 35) Caprolactam               | 8.598  | 113  | 43624m   | 54.613  | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 8.728  | 107  | 125934   | 43.206  | ng    | 98       |
| 37) 2-Methylnaphthalene       | 8.892  | 142  | 262739   | 42.270  | ng    | 100      |
| 38) 1-Methylnaphthalene       | 8.992  | 142  | 272097   | 42.320  | ng    | 100      |
| 40) 1,2,4,5-Tetrachloroben... | 9.063  | 216  | 132130   | 40.437  | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 9.051  | 237  | 162392   | 73.672  | ng    | 99       |
| 43) 2,4,6-Trichlorophenol     | 9.169  | 196  | 89146    | 40.459  | ng    | 98       |

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| 44) 2,4,5-Trichlorophenol     | 9.210  | 196  | 97535    | 41.972  | ng    | 98       |
| 46) 1,1'-Biphenyl             | 9.357  | 154  | 366054   | 41.450  | ng    | 99       |
| 47) 2-Chloronaphthalene       | 9.381  | 162  | 261870   | 40.135  | ng    | 100      |
| 48) 2-Nitroaniline            | 9.475  | 65   | 83501    | 44.275  | ng    | 99       |
| 49) Acenaphthylene            | 9.798  | 152  | 461954   | 41.929  | ng    | 99       |
| 50) Dimethylphthalate         | 9.657  | 163  | 321711   | 42.833  | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 9.716  | 165  | 71155    | 43.893  | ng    | 98       |
| 52) Acenaphthene              | 9.975  | 154  | 316584   | 47.057  | ng    | 98       |
| 53) 3-Nitroaniline            | 9.886  | 138  | 49223    | 27.800  | ng    | 97       |
| 54) 2,4-Dinitrophenol         | 9.992  | 184  | 89427    | 106.777 | ng    | 97       |
| 55) Dibenzofuran              | 10.145 | 168  | 417111   | 43.085  | ng    | 99       |
| 56) 4-Nitrophenol             | 10.039 | 139  | 148325   | 113.533 | ng    | 94       |
| 57) 2,4-Dinitrotoluene        | 10.122 | 165  | 106463   | 50.288  | ng    | 99       |
| 58) Fluorene                  | 10.486 | 166  | 334722   | 44.754  | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol | 10.257 | 232  | 87547    | 45.129  | ng    | # 99     |
| 60) Diethylphthalate          | 10.357 | 149  | 336727   | 45.904  | ng    | 99       |
| 61) 4-Chlorophenyl-phenyle... | 10.480 | 204  | 156021   | 42.465  | ng    | 98       |
| 62) 4-Nitroaniline            | 10.498 | 138  | 88055    | 54.834  | ng    | 99       |
| 63) Azobenzene                | 10.639 | 77   | 321047   | 48.728  | ng    | 97       |
| 65) 4,6-Dinitro-2-methylph... | 10.528 | 198  | 59594    | 46.629  | ng    | 100      |
| 66) n-Nitrosodiphenylamine    | 10.598 | 169  | 302640   | 38.627  | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 10.969 | 248  | 100859   | 37.246  | ng    | 97       |
| 68) Hexachlorobenzene         | 11.033 | 284  | 116897   | 39.031  | ng    | 99       |
| 69) Atrazine                  | 11.122 | 200  | 107203   | 51.521  | ng    | 98       |
| 70) Pentachlorophenol         | 11.227 | 266  | 154568   | 91.410  | ng    | 99       |
| 71) Phenanthrene              | 11.451 | 178  | 528821   | 43.208  | ng    | 100      |
| 72) Anthracene                | 11.504 | 178  | 544100   | 43.560  | ng    | 99       |
| 73) Carbazole                 | 11.657 | 167  | 529990   | 49.633  | ng    | 100      |
| 74) Di-n-butylphthalate       | 11.986 | 149  | 608435   | 52.055  | ng    | 99       |
| 75) Fluoranthene              | 12.639 | 202  | 660582   | 57.764  | ng    | 100      |
| 77) Benzidine                 | 12.763 | 184  | 338429   | 43.116  | ng    | 99       |
| 78) Pyrene                    | 12.874 | 202  | 669848   | 34.043  | ng    | 99       |
| 80) Butylbenzylphthalate      | 13.486 | 149  | 271799   | 49.991  | ng    | 99       |
| 81) Benzo(a)anthracene        | 14.057 | 228  | 611032   | 43.383  | ng    | 98       |
| 82) 3,3'-Dichlorobenzidine    | 14.021 | 252  | 81284    | 19.027  | ng    | 97       |
| 83) Chrysene                  | 14.098 | 228  | 524218   | 41.421  | ng    | 100      |
| 84) Bis(2-ethylhexyl)phtha... | 14.045 | 149  | 376196   | 54.051  | ng    | 100      |
| 85) Di-n-octyl phthalate      | 14.663 | 149  | 605040   | 44.459  | ng    | 100      |
| 87) Indeno(1,2,3-cd)pyrene    | 17.068 | 276  | 477933   | 36.138  | ng    | 99       |
| 88) Benzo(b)fluoranthene      | 15.121 | 252  | 530624   | 50.894  | ng    | 98       |
| 89) Benzo(k)fluoranthene      | 15.151 | 252  | 416436   | 42.645  | ng    | 99       |
| 90) Benzo(a)pyrene            | 15.498 | 252  | 434657   | 44.228  | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 17.092 | 278  | 382303   | 35.642  | ng    | 99       |
| 92) Benzo(g,h,i)perylene      | 17.527 | 276  | 380185   | 35.437  | ng    | 100      |

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

