

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF102924\  
 Data File : BF140141.D  
 Acq On : 30 Oct 2024 05:06  
 Operator : RC/JU  
 Sample : P4594-04MSD  
 Misc :  
 ALS Vial : 30 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-4MSD

Quant Time: Oct 30 05:32:39 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF101824.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Oct 18 15:07:50 2024  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 10/30/2024  
 Supervised By :mohammad ahmed 11/04/2024

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.893  | 152  | 136316   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.169  | 136  | 524655   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.928  | 164  | 282930   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.416 | 188  | 439248   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 14.057 | 240  | 246770   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 15.539 | 264  | 211296   | 20.000  | ng    | 0.01     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.528  | 112  | 975554   | 112.035 | ng    | 0.03     |
| 7) Phenol-d6                  | 6.516  | 99   | 1222155  | 108.369 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.451  | 82   | 881611   | 93.132  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.722 | 330  | 324738   | 122.708 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.245  | 172  | 1547325  | 90.385  | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.998 | 244  | 1316406  | 86.925  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.875  | 88   | 107167   | 26.397  | ng    | # 84     |
| 3) Pyridine                   | 3.587  | 79   | 261465   | 25.982  | ng    | 99       |
| 4) n-Nitrosodimethylamine     | 3.522  | 42   | 184230   | 34.074  | ng    | # 95     |
| 6) Aniline                    | 6.557  | 93   | 233419   | 22.208  | ng    | 99       |
| 8) 2-Chlorophenol             | 6.675  | 128  | 362408   | 40.712  | ng    | 99       |
| 9) Benzaldehyde               | 6.440  | 77   | 42705    | 6.731   | ng    | 99       |
| 10) Phenol                    | 6.534  | 94   | 435706m  | 37.474  | ng    |          |
| 11) bis(2-Chloroethyl)ether   | 6.628  | 93   | 343965   | 38.275  | ng    | 100      |
| 12) 1,3-Dichlorobenzene       | 6.834  | 146  | 291879   | 28.564  | ng    | 98       |
| 13) 1,4-Dichlorobenzene       | 6.910  | 146  | 299278   | 29.315  | ng    | 98       |
| 14) 1,2-Dichlorobenzene       | 7.057  | 146  | 296808   | 31.151  | ng    | 99       |
| 15) Benzyl Alcohol            | 7.028  | 79   | 351451   | 42.484  | ng    | 99       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.163  | 45   | 569835   | 37.187  | ng    | 98       |
| 17) 2-Methylphenol            | 7.140  | 107  | 322350   | 42.467  | ng    | 97       |
| 18) Hexachloroethane          | 7.404  | 117  | 104882   | 28.810  | ng    | 97       |
| 19) n-Nitroso-di-n-propyla... | 7.304  | 70   | 285253   | 41.704  | ng    | 98       |
| 20) 3+4-Methylphenols         | 7.293  | 107  | 399051   | 41.102  | ng    | # 80     |
| 22) Acetophenone              | 7.298  | 105  | 506534   | 39.417  | ng    | 98       |
| 24) Nitrobenzene              | 7.475  | 77   | 404653   | 38.989  | ng    | 100      |
| 25) Isophorone                | 7.710  | 82   | 794122   | 44.199  | ng    | 99       |
| 26) 2-Nitrophenol             | 7.787  | 139  | 190778   | 48.725  | ng    | 97       |
| 27) 2,4-Dimethylphenol        | 7.816  | 122  | 326856   | 50.064  | ng    | 96       |
| 28) bis(2-Chloroethoxy)met... | 7.916  | 93   | 457633   | 42.040  | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 8.028  | 162  | 330074   | 44.386  | ng    | 99       |
| 30) 1,2,4-Trichlorobenzene    | 8.110  | 180  | 289939   | 35.236  | ng    | 99       |
| 31) Naphthalene               | 8.192  | 128  | 1014405  | 37.489  | ng    | 100      |
| 32) Benzoic acid              | 7.928  | 122  | 193683   | 34.013  | ng    | 99       |
| 33) 4-Chloroaniline           | 8.234  | 127  | 105645   | 11.450  | ng    | 99       |
| 34) Hexachlorobutadiene       | 8.310  | 225  | 179389   | 34.697  | ng    | 99       |
| 35) Caprolactam               | 8.610  | 113  | 90091m   | 38.101  | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 8.716  | 107  | 371343   | 45.097  | ng    | 99       |
| 37) 2-Methylnaphthalene       | 8.881  | 142  | 691965   | 41.756  | ng    | 100      |
| 38) 1-Methylnaphthalene       | 8.981  | 142  | 646525   | 39.765  | ng    | 99       |
| 40) 1,2,4,5-Tetrachloroben... | 9.051  | 216  | 332934   | 43.618  | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 9.034  | 237  | 299415   | 112.735 | ng    | 99       |
| 43) 2,4,6-Trichlorophenol     | 9.157  | 196  | 250321   | 46.321  | ng    | 100      |

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|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.204  | 196  | 249986   | 44.836 | ng    | 100      |
| 46) 1,1'-Biphenyl             | 9.351  | 154  | 872433   | 44.295 | ng    | 99       |
| 47) 2-Chloronaphthalene       | 9.375  | 162  | 683215   | 43.068 | ng    | 100      |
| 48) 2-Nitroaniline            | 9.469  | 65   | 249181   | 51.359 | ng    | 96       |
| 49) Acenaphthylene            | 9.792  | 152  | 1081279  | 47.148 | ng    | 99       |
| 50) Dimethylphthalate         | 9.651  | 163  | 873475   | 49.564 | ng    | 100      |
| 51) 2,6-Dinitrotoluene        | 9.710  | 165  | 187127   | 49.041 | ng    | 100      |
| 52) Acenaphthene              | 9.963  | 154  | 702965   | 47.383 | ng    | 100      |
| 53) 3-Nitroaniline            | 9.875  | 138  | 99014    | 25.163 | ng    | 99       |
| 54) 2,4-Dinitrophenol         | 9.981  | 184  | 109042   | 69.696 | ng    | # 1      |
| 55) Dibenzofuran              | 10.134 | 168  | 959890   | 45.095 | ng    | 99       |
| 56) 4-Nitrophenol             | 10.034 | 139  | 220254   | 72.754 | ng    | 95       |
| 57) 2,4-Dinitrotoluene        | 10.116 | 165  | 242877   | 51.760 | ng    | 99       |
| 58) Fluorene                  | 10.475 | 166  | 715367   | 44.124 | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol | 10.251 | 232  | 193707   | 44.318 | ng    | 98       |
| 60) Diethylphthalate          | 10.351 | 149  | 841030   | 48.605 | ng    | 100      |
| 61) 4-Chlorophenyl-phenyle... | 10.469 | 204  | 375452   | 45.857 | ng    | 99       |
| 62) 4-Nitroaniline            | 10.492 | 138  | 155164   | 41.751 | ng    | 96       |
| 63) Azobenzene                | 10.628 | 77   | 828251   | 45.150 | ng    | 99       |
| 65) 4,6-Dinitro-2-methylph... | 10.522 | 198  | 78994    | 44.089 | ng    | 93       |
| 66) n-Nitrosodiphenylamine    | 10.586 | 169  | 667704   | 50.789 | ng    | 100      |
| 67) 4-Bromophenyl-phenylether | 10.957 | 248  | 235773   | 52.104 | ng    | 99       |
| 68) Hexachlorobenzene         | 11.022 | 284  | 249144   | 48.955 | ng    | 99       |
| 69) Atrazine                  | 11.110 | 200  | 164995   | 46.331 | ng    | 100      |
| 70) Pentachlorophenol         | 11.216 | 266  | 236977   | 76.725 | ng    | 99       |
| 71) Phenanthrene              | 11.439 | 178  | 965897   | 46.553 | ng    | 100      |
| 72) Anthracene                | 11.492 | 178  | 981252   | 48.472 | ng    | 99       |
| 73) Carbazole                 | 11.645 | 167  | 790430   | 41.984 | ng    | 99       |
| 74) Di-n-butylphthalate       | 11.975 | 149  | 1152532  | 52.986 | ng    | 100      |
| 75) Fluoranthene              | 12.627 | 202  | 874925   | 41.713 | ng    | 99       |
| 77) Benzidine                 | 12.751 | 184  | 20722    | 5.107  | ng    | # 94     |
| 78) Pyrene                    | 12.857 | 202  | 888037   | 41.112 | ng    | 100      |
| 80) Butylbenzylphthalate      | 13.474 | 149  | 371435   | 57.356 | ng    | 100      |
| 81) Benzo(a)anthracene        | 14.045 | 228  | 779895   | 48.550 | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 14.004 | 252  | 113916   | 24.322 | ng    | 99       |
| 83) Chrysene                  | 14.080 | 228  | 747112   | 50.725 | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 14.033 | 149  | 500283   | 68.856 | ng    | 100      |
| 85) Di-n-octyl phthalate      | 14.645 | 149  | 854222   | 64.639 | ng    | 98       |
| 87) Indeno(1,2,3-cd)pyrene    | 17.039 | 276  | 541452   | 39.833 | ng    | 98       |
| 88) Benzo(b)fluoranthene      | 15.104 | 252  | 639479   | 49.683 | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 15.133 | 252  | 649612   | 58.522 | ng    | 99       |
| 90) Benzo(a)pyrene            | 15.474 | 252  | 561361   | 53.004 | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 17.057 | 278  | 451303   | 39.798 | ng    | 99       |
| 92) Benzo(g,h,i)perylene      | 17.492 | 276  | 392906   | 34.688 | ng    | 98       |

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

