

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF091223\  
 Data File : BF135176.D  
 Acq On : 12 Sep 2023 12:04  
 Operator : CG\JU  
 Sample : PB155213BS  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB155213BS

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 09/13/2023  
 Supervised By :mohammad ahmed 09/13/2023

Quant Time: Sep 13 02:00:44 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF091123.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Sep 12 00:19:07 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.763  | 152  | 109902   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.045  | 136  | 421440   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.804  | 164  | 216310   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.292 | 188  | 405235   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 13.945 | 240  | 217500   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 15.410 | 264  | 205916   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.404  | 112  | 886178   | 131.146 | ng    | 0.02     |
| 7) Phenol-d6                  | 6.410  | 99   | 1124923  | 130.924 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.334  | 82   | 703568   | 90.700  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.598 | 330  | 296529   | 137.946 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.128  | 172  | 1266385  | 88.328  | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.892 | 244  | 1294813  | 92.285  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.575  | 88   | 113521   | 38.323  | ng    | 99       |
| 3) Pyridine                   | 3.334  | 79   | 293599   | 36.827  | ng    | 99       |
| 4) n-Nitrosodimethylamine     | 3.287  | 42   | 191221   | 45.199  | ng    | 97       |
| 6) Aniline                    | 6.434  | 93   | 349920   | 31.057  | ng    | 99       |
| 8) 2-Chlorophenol             | 6.551  | 128  | 350100   | 48.535  | ng    | 97       |
| 9) Benzaldehyde               | 6.316  | 77   | 126102   | 25.763  | ng    | 98       |
| 10) Phenol                    | 6.422  | 94   | 413872   | 43.928  | ng    | 93       |
| 11) bis(2-Chloroethyl)ether   | 6.510  | 93   | 312501   | 44.218  | ng    | 100      |
| 12) 1,3-Dichlorobenzene       | 6.704  | 146  | 336113   | 45.849  | ng    | 99       |
| 13) 1,4-Dichlorobenzene       | 6.781  | 146  | 339523   | 45.522  | ng    | 99       |
| 14) 1,2-Dichlorobenzene       | 6.934  | 146  | 327542   | 47.290  | ng    | 97       |
| 15) Benzyl Alcohol            | 6.916  | 79   | 290764   | 47.159  | ng    | 98       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.046  | 45   | 595946   | 44.737  | ng    | 99       |
| 17) 2-Methylphenol            | 7.028  | 107  | 267970   | 42.097  | ng    | 98       |
| 18) Hexachloroethane          | 7.269  | 117  | 127040   | 46.099  | ng    | 93       |
| 19) n-Nitroso-di-n-propyla... | 7.187  | 70   | 228294   | 42.897  | ng    | 99       |
| 20) 3+4-Methylphenols         | 7.181  | 107  | 320705   | 41.899  | ng    | 95       |
| 22) Acetophenone              | 7.175  | 105  | 448409   | 46.539  | ng    | # 99     |
| 24) Nitrobenzene              | 7.351  | 77   | 352064   | 45.919  | ng    | 99       |
| 25) Isophorone                | 7.593  | 82   | 652440   | 45.804  | ng    | 98       |
| 26) 2-Nitrophenol             | 7.663  | 139  | 178512   | 48.511  | ng    | 98       |
| 27) 2,4-Dimethylphenol        | 7.704  | 122  | 300019   | 48.505  | ng    | 98       |
| 28) bis(2-Chloroethoxy)met... | 7.798  | 93   | 402083   | 47.162  | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 7.904  | 162  | 274697   | 47.928  | ng    | 99       |
| 30) 1,2,4-Trichlorobenzene    | 7.987  | 180  | 288237   | 48.115  | ng    | 99       |
| 31) Naphthalene               | 8.069  | 128  | 955737   | 46.675  | ng    | 100      |
| 32) Benzoic acid              | 7.845  | 122  | 228266   | 49.010  | ng    | 98       |
| 33) 4-Chloroaniline           | 8.116  | 127  | 171418   | 19.081  | ng    | 97       |
| 34) Hexachlorobutadiene       | 8.181  | 225  | 170763   | 47.274  | ng    | 99       |
| 35) Caprolactam               | 8.498  | 113  | 95174m   | 49.478  | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 8.610  | 107  | 305713   | 47.993  | ng    | 99       |
| 37) 2-Methylnaphthalene       | 8.757  | 142  | 609495   | 44.281  | ng    | 100      |
| 38) 1-Methylnaphthalene       | 8.857  | 142  | 566146   | 43.933  | ng    | 99       |
| 40) 1,2,4,5-Tetrachloroben... | 8.928  | 216  | 288311   | 46.007  | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 8.910  | 237  | 275284   | 97.876  | ng    | 98       |
| 43) 2,4,6-Trichlorophenol     | 9.040  | 196  | 194576   | 47.422  | ng    | 98       |

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|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.087  | 196  | 212234   | 44.916 | ng    | 98       |
| 46) 1,1'-Biphenyl             | 9.228  | 154  | 764112   | 45.967 | ng    | 100      |
| 47) 2-Chloronaphthalene       | 9.251  | 162  | 573558   | 47.555 | ng    | 99       |
| 48) 2-Nitroaniline            | 9.351  | 65   | 217702   | 46.461 | ng    | 96       |
| 49) Acenaphthylene            | 9.669  | 152  | 911287   | 45.463 | ng    | 100      |
| 50) Dimethylphthalate         | 9.534  | 163  | 675236   | 46.171 | ng    | 100      |
| 51) 2,6-Dinitrotoluene        | 9.598  | 165  | 152257   | 47.524 | ng    | 89       |
| 52) Acenaphthene              | 9.839  | 154  | 550829   | 46.518 | ng    | 96       |
| 53) 3-Nitroaniline            | 9.763  | 138  | 112633   | 29.950 | ng    | 98       |
| 54) 2,4-Dinitrophenol         | 9.881  | 184  | 159456   | 87.073 | ng    | 99       |
| 55) Dibenzofuran              | 10.010 | 168  | 802066   | 44.388 | ng    | 97       |
| 56) 4-Nitrophenol             | 9.939  | 139  | 234013   | 97.908 | ng    | 99       |
| 57) 2,4-Dinitrotoluene        | 10.004 | 165  | 188628   | 47.029 | ng    | 93       |
| 58) Fluorene                  | 10.357 | 166  | 630095   | 45.359 | ng    | 98       |
| 59) 2,3,4,6-Tetrachlorophenol | 10.134 | 232  | 177869   | 48.935 | ng    | 98       |
| 60) Diethylphthalate          | 10.234 | 149  | 667013   | 45.445 | ng    | 99       |
| 61) 4-Chlorophenyl-phenyle... | 10.345 | 204  | 298541   | 44.740 | ng    | 98       |
| 62) 4-Nitroaniline            | 10.386 | 138  | 166189   | 45.972 | ng    | 99       |
| 63) Azobenzene                | 10.510 | 77   | 647705   | 45.091 | ng    | 98       |
| 65) 4,6-Dinitro-2-methylph... | 10.416 | 198  | 110446   | 51.315 | ng    | 93       |
| 66) n-Nitrosodiphenylamine    | 10.469 | 169  | 585736   | 47.744 | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 10.839 | 248  | 189504   | 47.019 | ng    | 96       |
| 68) Hexachlorobenzene         | 10.904 | 284  | 207978   | 50.652 | ng    | 97       |
| 69) Atrazine                  | 11.004 | 200  | 188323   | 57.049 | ng    | 100      |
| 70) Pentachlorophenol         | 11.104 | 266  | 223907   | 91.144 | ng    | 98       |
| 71) Phenanthrene              | 11.322 | 178  | 922666   | 48.141 | ng    | 99       |
| 72) Anthracene                | 11.375 | 178  | 932210   | 47.319 | ng    | 99       |
| 73) Carbazole                 | 11.533 | 167  | 879535   | 49.044 | ng    | 100      |
| 74) Di-n-butylphthalate       | 11.863 | 149  | 1030614  | 48.770 | ng    | 99       |
| 75) Fluoranthene              | 12.516 | 202  | 965778   | 48.360 | ng    | 98       |
| 77) Benzidine                 | 12.639 | 184  | 294173   | 66.019 | ng    | 98       |
| 78) Pyrene                    | 12.745 | 202  | 985739   | 47.603 | ng    | 99       |
| 80) Butylbenzylphthalate      | 13.369 | 149  | 363811   | 49.900 | ng    | 96       |
| 81) Benzo(a)anthracene        | 13.939 | 228  | 665480   | 47.383 | ng    | 100      |
| 82) 3,3'-Dichlorobenzidine    | 13.904 | 252  | 142014   | 32.373 | ng    | 95       |
| 83) Chrysene                  | 13.974 | 228  | 647188   | 46.348 | ng    | 100      |
| 84) Bis(2-ethylhexyl)phtha... | 13.933 | 149  | 376877   | 50.373 | ng    | 99       |
| 85) Di-n-octyl phthalate      | 14.551 | 149  | 592677   | 49.847 | ng    | 99       |
| 87) Indeno(1,2,3-cd)pyrene    | 16.886 | 276  | 682370   | 50.541 | ng    | 99       |
| 88) Benzo(b)fluoranthene      | 14.986 | 252  | 571680   | 51.286 | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 15.016 | 252  | 554430   | 50.351 | ng    | 100      |
| 90) Benzo(a)pyrene            | 15.345 | 252  | 503530   | 47.368 | ng    | 100      |
| 91) Dibenzo(a,h)anthracene    | 16.904 | 278  | 555875   | 50.319 | ng    | 98       |
| 92) Benzo(g,h,i)perylene      | 17.333 | 276  | 580589   | 50.324 | ng    | 100      |

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

