

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF092424\  
 Data File : BF139519.D  
 Acq On : 24 Sep 2024 14:26  
 Operator : RC/JU  
 Sample : PB163646BS  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB163646BS

Manual Integrations  
 APPROVED

Reviewed By :Yogesh  
 Patel

Quant Time: Sep 25 01:49:49 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF091324.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Sep 14 02:58:23 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.875  | 152  | 75698    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.157  | 136  | 280095   | 20.000  | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 9.916  | 164  | 147788   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.398 | 188  | 279973   | 20.000  | ng    | # 0.00   |
| 76) Chrysene-d12              | 14.039 | 240  | 140058   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 15.510 | 264  | 153036   | 20.000  | ng    | 0.01     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.504  | 112  | 574792   | 123.872 | ng    | 0.01     |
| 7) Phenol-d6                  | 6.510  | 99   | 740655   | 121.606 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.440  | 82   | 495610   | 83.184  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.704 | 330  | 187183   | 118.969 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.234  | 172  | 886696   | 84.148  | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.980 | 244  | 780644   | 91.487  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
| 2) 1,4-Dioxane                | 2.722  | 88   | 70514    | 37.877  | ng    | 97       |
| 3) Pyridine                   | 3.469  | 79   | 187785   | 45.750  | ng    | 97       |
| 4) n-Nitrosodimethylamine     | 3.428  | 42   | 136779   | 38.447  | ng    | # 81     |
| 6) Aniline                    | 6.540  | 93   | 239975   | 52.210  | ng    | # 84     |
| 8) 2-Chlorophenol             | 6.663  | 128  | 206958   | 43.328  | ng    | 98       |
| 9) Benzaldehyde               | 6.428  | 77   | 30356    | 8.627   | ng    | 96       |
| 10) Phenol                    | 6.528  | 94   | 276009   | 44.495  | ng    | 99       |
| 11) bis(2-Chloroethyl)ether   | 6.616  | 93   | 205420   | 43.570  | ng    | 98       |
| 12) 1,3-Dichlorobenzene       | 6.816  | 146  | 219205   | 40.353  | ng    | 98       |
| 13) 1,4-Dichlorobenzene       | 6.893  | 146  | 224880   | 40.966  | ng    | 99       |
| 14) 1,2-Dichlorobenzene       | 7.045  | 146  | 213850   | 41.227  | ng    | 98       |
| 15) Benzyl Alcohol            | 7.022  | 79   | 193227   | 39.765  | ng    | 95       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.151  | 45   | 361683   | 49.777  | ng    | 98       |
| 17) 2-Methylphenol            | 7.134  | 107  | 162583   | 42.841  | ng    | 99       |
| 18) Hexachloroethane          | 7.387  | 117  | 83667    | 40.015  | ng    | 98       |
| 19) n-Nitroso-di-n-propyla... | 7.287  | 70   | 152701   | 42.309  | ng    | 98       |
| 20) 3+4-Methylphenols         | 7.287  | 107  | 210114   | 40.582  | ng    | # 86     |
| 22) Acetophenone              | 7.287  | 105  | 287416   | 39.251  | ng    | 98       |
| 24) Nitrobenzene              | 7.463  | 77   | 241415   | 39.369  | ng    | 97       |
| 25) Isophorone                | 7.698  | 82   | 404048   | 42.880  | ng    | 99       |
| 26) 2-Nitrophenol             | 7.775  | 139  | 107001   | 44.789  | ng    | 92       |
| 27) 2,4-Dimethylphenol        | 7.810  | 122  | 161257   | 51.171  | ng    | 98       |
| 28) bis(2-Chloroethoxy)met... | 7.904  | 93   | 233066   | 43.400  | ng    | 98       |
| 29) 2,4-Dichlorophenol        | 8.016  | 162  | 169292   | 42.287  | ng    | 99       |
| 30) 1,2,4-Trichlorobenzene    | 8.098  | 180  | 182835   | 39.196  | ng    | 98       |
| 31) Naphthalene               | 8.181  | 128  | 604996   | 41.374  | ng    | 100      |
| 32) Benzoic acid              | 7.928  | 122  | 103523   | 35.103  | ng    | 94       |
| 33) 4-Chloroaniline           | 8.234  | 127  | 98286    | 21.971  | ng    | 97       |
| 34) Hexachlorobutadiene       | 8.292  | 225  | 120104   | 37.898  | ng    | 100      |
| 35) Caprolactam               | 8.592  | 113  | 54646m   | 44.374  | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 8.716  | 107  | 187584   | 40.999  | ng    | 97       |
| 37) 2-Methylnaphthalene       | 8.869  | 142  | 389050   | 41.917  | ng    | 100      |
| 38) 1-Methylnaphthalene       | 8.969  | 142  | 360560   | 39.569  | ng    | 99       |
| 40) 1,2,4,5-Tetrachloroben... | 9.040  | 216  | 183755   | 41.953  | ng    | 98       |
| 41) Hexachlorocyclopentadiene | 9.022  | 237  | 223833   | 146.363 | ng    | 100      |
| 43) 2,4,6-Trichlorophenol     | 9.151  | 196  | 122698   | 43.058  | ng    | 99       |

09/25/2024  
 Supervised By :mohammad  
 Ahmed

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|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.198  | 196  | 128994   | 42.914 | ng    | 96       |
| 46) 1,1'-Biphenyl             | 9.334  | 154  | 478230   | 42.062 | ng    | 99       |
| 47) 2-Chloronaphthalene       | 9.363  | 162  | 356356   | 41.919 | ng    | 99       |
| 48) 2-Nitroaniline            | 9.457  | 65   | 138804   | 43.898 | ng    | 100      |
| 49) Acenaphthylene            | 9.775  | 152  | 597760   | 46.712 | ng    | 99       |
| 50) Dimethylphthalate         | 9.634  | 163  | 424212   | 43.733 | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 9.698  | 165  | 93340    | 43.437 | ng    | 93       |
| 52) Acenaphthene              | 9.945  | 154  | 425780   | 47.673 | ng    | 99       |
| 53) 3-Nitroaniline            | 9.869  | 138  | 70260    | 32.717 | ng    | 91       |
| 54) 2,4-Dinitrophenol         | 9.975  | 184  | 105245   | 87.896 | ng    | 89       |
| 55) Dibenzofuran              | 10.122 | 168  | 542638   | 43.591 | ng    | 95       |
| 56) 4-Nitrophenol             | 10.034 | 139  | 142183   | 80.014 | ng    | 82       |
| 57) 2,4-Dinitrotoluene        | 10.104 | 165  | 128212   | 44.194 | ng    | 96       |
| 58) Fluorene                  | 10.463 | 166  | 420734   | 41.424 | ng    | 100      |
| 59) 2,3,4,6-Tetrachlorophenol | 10.239 | 232  | 109844   | 44.176 | ng    | 96       |
| 60) Diethylphthalate          | 10.334 | 149  | 423638   | 42.322 | ng    | 99       |
| 61) 4-Chlorophenyl-phenyle... | 10.451 | 204  | 202274   | 40.979 | ng    | 98       |
| 62) 4-Nitroaniline            | 10.481 | 138  | 95299    | 40.660 | ng    | 89       |
| 63) Azobenzene                | 10.616 | 77   | 432245   | 43.903 | ng    | 95       |
| 65) 4,6-Dinitro-2-methylph... | 10.510 | 198  | 65673    | 44.444 | ng    | 95       |
| 66) n-Nitrosodiphenylamine    | 10.575 | 169  | 365789   | 44.688 | ng    | 100      |
| 67) 4-Bromophenyl-phenylether | 10.945 | 248  | 121088   | 43.644 | ng    | 96       |
| 68) Hexachlorobenzene         | 11.010 | 284  | 136588   | 41.947 | ng    | 96       |
| 69) Atrazine                  | 11.098 | 200  | 111988   | 57.468 | ng    | 98       |
| 70) Pentachlorophenol         | 11.204 | 266  | 146358   | 74.908 | ng    | 99       |
| 71) Phenanthrene              | 11.428 | 178  | 591875   | 43.818 | ng    | 99       |
| 72) Anthracene                | 11.475 | 178  | 601706   | 45.561 | ng    | 99       |
| 73) Carbazole                 | 11.633 | 167  | 526754   | 41.674 | ng    | 99       |
| 74) Di-n-butylphthalate       | 11.957 | 149  | 591357   | 41.998 | ng    | 100      |
| 75) Fluoranthene              | 12.610 | 202  | 563889   | 39.091 | ng    | 98       |
| 77) Benzidine                 | 12.733 | 184  | 146798   | 73.157 | ng    | 99       |
| 78) Pyrene                    | 12.839 | 202  | 567952   | 47.227 | ng    | 99       |
| 80) Butylbenzylphthalate      | 13.457 | 149  | 177416   | 43.342 | ng    | 97       |
| 81) Benzo(a)anthracene        | 14.027 | 228  | 416961   | 44.944 | ng    | 100      |
| 82) 3,3'-Dichlorobenzidine    | 13.986 | 252  | 98860    | 36.387 | ng    | 98       |
| 83) Chrysene                  | 14.063 | 228  | 377518   | 44.230 | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 14.010 | 149  | 209167   | 40.168 | ng    | 99       |
| 85) Di-n-octyl phthalate      | 14.627 | 149  | 328613   | 42.851 | ng    | 98       |
| 87) Indeno(1,2,3-cd)pyrene    | 16.986 | 276  | 455930   | 50.102 | ng    | 97       |
| 88) Benzo(b)fluoranthene      | 15.074 | 252  | 393238   | 41.664 | ng    | 98       |
| 89) Benzo(k)fluoranthene      | 15.110 | 252  | 354826   | 40.774 | ng    | 99       |
| 90) Benzo(a)pyrene            | 15.445 | 252  | 365778   | 46.729 | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 17.004 | 278  | 368667   | 49.028 | ng    | 98       |
| 92) Benzo(g,h,i)perylene      | 17.433 | 276  | 349739   | 46.974 | ng    | 96       |

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

