

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF071024\  
 Data File : BF138501.D  
 Acq On : 10 Jul 2024 15:00  
 Operator : CG\JU  
 Sample : PB161962BS  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

## Instrument :

BNA\_F

## ClientSampleId :

PB161962BS

## Manual Integrations

## APPROVED

Reviewed By :Yogesh Patel 07/11/2024

Supervised By :mohammad ahmed 07/11/2024

Quant Time: Jul 10 15:26:29 2024

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF070924.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Jul 09 16:58:40 2024

Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.869  | 152  | 123926   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.151  | 136  | 510666   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.904  | 164  | 283647   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.392 | 188  | 506108   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 14.027 | 240  | 246148   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 15.486 | 264  | 225166   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.504  | 112  | 978389   | 125.037 | ng    | 0.01     |
| 7) Phenol-d6                  | 6.510  | 99   | 1294411  | 124.351 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.434  | 82   | 865678   | 83.230  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.698 | 330  | 341526   | 128.831 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.228  | 172  | 1480161  | 81.557  | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.974 | 244  | 1533323  | 101.482 | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.728  | 88   | 115775   | 33.407  | ng    | 99       |
| 3) Pyridine                   | 3.481  | 79   | 284525   | 33.292  | ng    | 98       |
| 4) n-Nitrosodimethylamine     | 3.440  | 42   | 247502   | 44.487  | ng    | 97       |
| 6) Aniline                    | 6.534  | 93   | 261112   | 26.781  | ng    | 96       |
| 8) 2-Chlorophenol             | 6.657  | 128  | 390606   | 47.209  | ng    | 99       |
| 9) Benzaldehyde               | 6.416  | 77   | 106791   | 19.167  | ng    | 95       |
| 10) Phenol                    | 6.528  | 94   | 484805   | 43.878  | ng    | 94       |
| 11) bis(2-Chloroethyl)ether   | 6.604  | 93   | 391663   | 47.082  | ng    | 99       |
| 12) 1,3-Dichlorobenzene       | 6.810  | 146  | 386250   | 41.531  | ng    | 98       |
| 13) 1,4-Dichlorobenzene       | 6.887  | 146  | 393170   | 41.630  | ng    | 100      |
| 14) 1,2-Dichlorobenzene       | 7.034  | 146  | 383979   | 43.653  | ng    | 99       |
| 15) Benzyl Alcohol            | 7.016  | 79   | 369437   | 47.291  | ng    | 97       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.140  | 45   | 728801   | 44.550  | ng    | 96       |
| 17) 2-Methylphenol            | 7.128  | 107  | 304283   | 44.873  | ng    | # 92     |
| 18) Hexachloroethane          | 7.375  | 117  | 150589   | 43.373  | ng    | 94       |
| 19) n-Nitroso-di-n-propyla... | 7.287  | 70   | 290736   | 45.202  | ng    | 98       |
| 20) 3+4-Methylphenols         | 7.281  | 107  | 375601   | 43.986  | ng    | # 89     |
| 22) Acetophenone              | 7.281  | 105  | 529106   | 42.661  | ng    | # 94     |
| 24) Nitrobenzene              | 7.451  | 77   | 445836   | 42.180  | ng    | 98       |
| 25) Isophorone                | 7.692  | 82   | 805341   | 45.087  | ng    | 98       |
| 26) 2-Nitrophenol             | 7.769  | 139  | 213729   | 47.179  | ng    | 98       |
| 27) 2,4-Dimethylphenol        | 7.804  | 122  | 270658   | 48.611  | ng    | 99       |
| 28) bis(2-Chloroethoxy)met... | 7.898  | 93   | 469778   | 44.008  | ng    | 98       |
| 29) 2,4-Dichlorophenol        | 8.010  | 162  | 319588   | 44.201  | ng    | 96       |
| 30) 1,2,4-Trichlorobenzene    | 8.092  | 180  | 352652   | 41.868  | ng    | 99       |
| 31) Naphthalene               | 8.175  | 128  | 1118593  | 42.118  | ng    | 99       |
| 32) Benzoic acid              | 7.951  | 122  | 249195   | 46.925  | ng    | 91       |
| 33) 4-Chloroaniline           | 8.222  | 127  | 207791   | 22.298  | ng    | 97       |
| 34) Hexachlorobutadiene       | 8.287  | 225  | 211930   | 40.860  | ng    | 99       |
| 35) Caprolactam               | 8.604  | 113  | 106164m  | 45.502  | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 8.710  | 107  | 360332   | 44.515  | ng    | 99       |
| 37) 2-Methylnaphthalene       | 8.863  | 142  | 722331   | 42.263  | ng    | 100      |
| 38) 1-Methylnaphthalene       | 8.963  | 142  | 669894   | 40.161  | ng    | 100      |
| 40) 1,2,4,5-Tetrachloroben... | 9.028  | 216  | 343648   | 43.470  | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 9.010  | 237  | 313556   | 122.199 | ng    | 98       |
| 43) 2,4,6-Trichlorophenol     | 9.139  | 196  | 226195   | 44.856  | ng    | 99       |

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 QLast Update : Tue Jul 09 16:58:40 2024  
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| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.192  | 196  | 239449   | 43.172 | ng    | # 91     |
| 46) 1,1'-Biphenyl             | 9.328  | 154  | 912817   | 42.464 | ng    | 99       |
| 47) 2-Chloronaphthalene       | 9.351  | 162  | 691660   | 42.592 | ng    | 98       |
| 48) 2-Nitroaniline            | 9.451  | 65   | 263773   | 46.873 | ng    | 94       |
| 49) Acenaphthylene            | 9.769  | 152  | 1074024  | 46.583 | ng    | 100      |
| 50) Dimethylphthalate         | 9.634  | 163  | 837182   | 45.645 | ng    | 100      |
| 51) 2,6-Dinitrotoluene        | 9.692  | 165  | 186306   | 44.117 | ng    | # 84     |
| 52) Acenaphthene              | 9.939  | 154  | 655947   | 42.800 | ng    | 100      |
| 53) 3-Nitroaniline            | 9.863  | 138  | 128377   | 29.660 | ng    | 100      |
| 54) 2,4-Dinitrophenol         | 9.975  | 184  | 217511   | 95.038 | ng    | 92       |
| 55) Dibenzofuran              | 10.110 | 168  | 974291   | 43.829 | ng    | 99       |
| 56) 4-Nitrophenol             | 10.039 | 139  | 294907   | 92.341 | ng    | 97       |
| 57) 2,4-Dinitrotoluene        | 10.098 | 165  | 246673   | 45.145 | ng    | 96       |
| 58) Fluorene                  | 10.457 | 166  | 752980   | 42.809 | ng    | 98       |
| 59) 2,3,4,6-Tetrachlorophenol | 10.228 | 232  | 206623   | 47.204 | ng    | 99       |
| 60) Diethylphthalate          | 10.328 | 149  | 800604   | 45.279 | ng    | 99       |
| 61) 4-Chlorophenyl-phenyle... | 10.445 | 204  | 371920   | 42.109 | ng    | 96       |
| 62) 4-Nitroaniline            | 10.486 | 138  | 184476   | 42.533 | ng    | 98       |
| 63) Azobenzene                | 10.604 | 77   | 844786   | 44.439 | ng    | 98       |
| 65) 4,6-Dinitro-2-methylph... | 10.510 | 198  | 150674   | 51.560 | ng    | 98       |
| 66) n-Nitrosodiphenylamine    | 10.569 | 169  | 661042   | 43.595 | ng    | 97       |
| 67) 4-Bromophenyl-phenylether | 10.933 | 248  | 228207   | 43.870 | ng    | 99       |
| 68) Hexachlorobenzene         | 10.998 | 284  | 250827   | 43.404 | ng    | 98       |
| 69) Atrazine                  | 11.092 | 200  | 201606   | 40.102 | ng    | 97       |
| 70) Pentachlorophenol         | 11.198 | 266  | 300775   | 87.959 | ng    | 97       |
| 71) Phenanthrene              | 11.416 | 178  | 1121710  | 43.870 | ng    | 99       |
| 72) Anthracene                | 11.469 | 178  | 1156364  | 45.560 | ng    | 99       |
| 73) Carbazole                 | 11.622 | 167  | 996295   | 43.679 | ng    | 100      |
| 74) Di-n-butylphthalate       | 11.945 | 149  | 1196160  | 45.495 | ng    | 99       |
| 75) Fluoranthene              | 12.604 | 202  | 1127626  | 43.220 | ng    | 99       |
| 77) Benzidine                 | 12.722 | 184  | 57772    | 9.303  | ng    | 99       |
| 78) Pyrene                    | 12.833 | 202  | 1136809  | 45.495 | ng    | 99       |
| 80) Butylbenzylphthalate      | 13.445 | 149  | 397768   | 52.918 | ng    | 97       |
| 81) Benzo(a)anthracene        | 14.016 | 228  | 756770   | 45.819 | ng    | 100      |
| 82) 3,3'-Dichlorobenzidine    | 13.974 | 252  | 166921   | 39.221 | ng    | # 95     |
| 83) Chrysene                  | 14.051 | 228  | 703324   | 45.014 | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 13.998 | 149  | 430592   | 53.712 | ng    | 98       |
| 85) Di-n-octyl phthalate      | 14.610 | 149  | 600253   | 47.397 | ng    | 100      |
| 87) Indeno(1,2,3-cd)pyrene    | 16.968 | 276  | 782934   | 51.766 | ng    | 100      |
| 88) Benzo(b)fluoranthene      | 15.063 | 252  | 605757   | 47.770 | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 15.092 | 252  | 576993   | 46.655 | ng    | 99       |
| 90) Benzo(a)pyrene            | 15.427 | 252  | 567774   | 50.970 | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 16.986 | 278  | 635721   | 51.384 | ng    | 99       |
| 92) Benzo(g,h,i)perylene      | 17.415 | 276  | 625654   | 47.690 | ng    | 97       |

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

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