

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF101023\  
 Data File : BF135688.D  
 Acq On : 10 Oct 2023 16:56  
 Operator : CG\JU  
 Sample : PB156053BS  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB156053BS

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 10/11/2023  
 Supervised By :mohammad ahmed 10/12/2023

Quant Time: Oct 11 02:59:02 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF091123.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Oct 11 02:43:17 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.740  | 152  | 102044   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.016  | 136  | 393638   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.781  | 164  | 199602   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.275 | 188  | 381880   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 13.933 | 240  | 195147   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 15.404 | 264  | 199650   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.387  | 112  | 842201   | 134.236 | ng    | 0.02     |
| 7) Phenol-d6                  | 6.398  | 99   | 1027446  | 128.788 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.310  | 82   | 642148   | 88.628  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.581 | 330  | 269942   | 136.090 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.098  | 172  | 1168082  | 88.291  | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.869 | 244  | 1193839  | 94.835  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.522  | 88   | 108791   | 39.554  | ng    | 99       |
| 3) Pyridine                   | 3.287  | 79   | 259429   | 35.046  | ng    | 97       |
| 4) n-Nitrosodimethylamine     | 3.240  | 42   | 185070   | 47.114  | ng    | 98       |
| 6) Aniline                    | 6.410  | 93   | 320913   | 30.675  | ng    | # 15     |
| 8) 2-Chlorophenol             | 6.534  | 128  | 319687   | 47.732  | ng    | 95       |
| 9) Benzaldehyde               | 6.298  | 77   | 63506    | 13.973  | ng    | 95       |
| 10) Phenol                    | 6.410  | 94   | 374553   | 42.816  | ng    | 80       |
| 11) bis(2-Chloroethyl)ether   | 6.481  | 93   | 297972   | 45.409  | ng    | 98       |
| 12) 1,3-Dichlorobenzene       | 6.681  | 146  | 316676   | 46.524  | ng    | 97       |
| 13) 1,4-Dichlorobenzene       | 6.757  | 146  | 323576   | 46.725  | ng    | 98       |
| 14) 1,2-Dichlorobenzene       | 6.904  | 146  | 299281   | 46.537  | ng    | 99       |
| 15) Benzyl Alcohol            | 6.898  | 79   | 245370   | 42.861  | ng    | 97       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.016  | 45   | 543118   | 43.911  | ng    | 57       |
| 17) 2-Methylphenol            | 7.010  | 107  | 244447   | 41.359  | ng    | # 91     |
| 18) Hexachloroethane          | 7.240  | 117  | 120455   | 47.075  | ng    | 92       |
| 19) n-Nitroso-di-n-propyla... | 7.157  | 70   | 215013   | 43.512  | ng    | 95       |
| 20) 3+4-Methylphenols         | 7.163  | 107  | 317325   | 44.650  | ng    | # 80     |
| 22) Acetophenone              | 7.151  | 105  | 423882   | 47.100  | ng    | # 91     |
| 24) Nitrobenzene              | 7.328  | 77   | 332889   | 46.484  | ng    | 100      |
| 25) Isophorone                | 7.563  | 82   | 593574   | 44.615  | ng    | 98       |
| 26) 2-Nitrophenol             | 7.645  | 139  | 167693   | 48.790  | ng    | 95       |
| 27) 2,4-Dimethylphenol        | 7.687  | 122  | 245878   | 42.560  | ng    | 98       |
| 28) bis(2-Chloroethoxy)met... | 7.775  | 93   | 372817   | 46.818  | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 7.887  | 162  | 262550   | 49.044  | ng    | 98       |
| 30) 1,2,4-Trichlorobenzene    | 7.963  | 180  | 267749   | 47.851  | ng    | 99       |
| 31) Naphthalene               | 8.040  | 128  | 889079   | 46.486  | ng    | 99       |
| 32) Benzoic acid              | 7.845  | 122  | 172493   | 39.651  | ng    | 93       |
| 33) 4-Chloroaniline           | 8.098  | 127  | 229405   | 27.339  | ng    | 98       |
| 34) Hexachlorobutadiene       | 8.151  | 225  | 155983   | 46.232  | ng    | 99       |
| 35) Caprolactam               | 8.481  | 113  | 92315m   | 51.382  | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 8.598  | 107  | 282227   | 47.435  | ng    | 99       |
| 37) 2-Methylnaphthalene       | 8.734  | 142  | 563575   | 43.837  | ng    | 98       |
| 38) 1-Methylnaphthalene       | 8.834  | 142  | 535469   | 44.487  | ng    | 98       |
| 40) 1,2,4,5-Tetrachloroben... | 8.898  | 216  | 271630   | 46.973  | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 8.881  | 237  | 118261   | 49.513  | ng    | 99       |
| 43) 2,4,6-Trichlorophenol     | 9.022  | 196  | 170816   | 45.116  | ng    | 100      |

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|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.075  | 196  | 178854   | 41.020 | ng    | 99       |
| 46) 1,1'-Biphenyl             | 9.198  | 154  | 720234   | 46.954 | ng    | 98       |
| 47) 2-Chloronaphthalene       | 9.228  | 162  | 536948   | 48.246 | ng    | 100      |
| 48) 2-Nitroaniline            | 9.334  | 65   | 202366   | 46.803 | ng    | 97       |
| 49) Acenaphthylene            | 9.639  | 152  | 868389   | 46.949 | ng    | 100      |
| 50) Dimethylphthalate         | 9.510  | 163  | 627791   | 46.520 | ng    | 100      |
| 51) 2,6-Dinitrotoluene        | 9.581  | 165  | 136774   | 46.265 | ng    | 92       |
| 52) Acenaphthene              | 9.810  | 154  | 514574   | 47.094 | ng    | 99       |
| 53) 3-Nitroaniline            | 9.751  | 138  | 117450   | 33.845 | ng    | 98       |
| 54) 2,4-Dinitrophenol         | 9.875  | 184  | 135554   | 80.709 | ng    | 98       |
| 55) Dibenzofuran              | 9.986  | 168  | 751690   | 45.082 | ng    | 97       |
| 56) 4-Nitrophenol             | 9.939  | 139  | 143109   | 64.887 | ng    | 100      |
| 57) 2,4-Dinitrotoluene        | 9.992  | 165  | 175258   | 47.353 | ng    | 92       |
| 58) Fluorene                  | 10.333 | 166  | 606274   | 47.298 | ng    | 100      |
| 59) 2,3,4,6-Tetrachlorophenol | 10.116 | 232  | 158316   | 47.202 | ng    | 96       |
| 60) Diethylphthalate          | 10.210 | 149  | 642688   | 47.453 | ng    | 99       |
| 61) 4-Chlorophenyl-phenyle... | 10.322 | 204  | 286143   | 46.471 | ng    | 97       |
| 62) 4-Nitroaniline            | 10.375 | 138  | 149827   | 44.916 | ng    | 99       |
| 63) Azobenzene                | 10.486 | 77   | 614930   | 46.392 | ng    | 99       |
| 65) 4,6-Dinitro-2-methylph... | 10.410 | 198  | 90458    | 44.598 | ng    | 89       |
| 66) n-Nitrosodiphenylamine    | 10.445 | 169  | 552812   | 47.816 | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 10.816 | 248  | 183608   | 48.342 | ng    | 97       |
| 68) Hexachlorobenzene         | 10.881 | 284  | 194616   | 50.297 | ng    | # 87     |
| 69) Atrazine                  | 10.980 | 200  | 175405   | 56.386 | ng    | 99       |
| 70) Pentachlorophenol         | 11.086 | 266  | 148539   | 64.163 | ng    | 96       |
| 71) Phenanthrene              | 11.298 | 178  | 877546   | 48.587 | ng    | 99       |
| 72) Anthracene                | 11.351 | 178  | 886617   | 47.757 | ng    | 100      |
| 73) Carbazole                 | 11.516 | 167  | 844052   | 49.943 | ng    | 99       |
| 74) Di-n-butylphthalate       | 11.839 | 149  | 995740   | 50.001 | ng    | 100      |
| 75) Fluoranthene              | 12.498 | 202  | 917498   | 48.752 | ng    | 98       |
| 77) Benzidine                 | 12.627 | 184  | 261968   | 65.526 | ng    | 98       |
| 78) Pyrene                    | 12.727 | 202  | 935292   | 50.340 | ng    | 100      |
| 80) Butylbenzylphthalate      | 13.345 | 149  | 342968   | 52.429 | ng    | 98       |
| 81) Benzo(a)anthracene        | 13.927 | 228  | 640010   | 50.790 | ng    | 100      |
| 82) 3,3'-Dichlorobenzidine    | 13.886 | 252  | 173579   | 44.100 | ng    | # 96     |
| 83) Chrysene                  | 13.963 | 228  | 593161   | 47.345 | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 13.910 | 149  | 414971   | 61.818 | ng    | 99       |
| 85) Di-n-octyl phthalate      | 14.521 | 149  | 573498   | 53.759 | ng    | 100      |
| 87) Indeno(1,2,3-cd)pyrene    | 16.904 | 276  | 656720   | 50.168 | ng    | 100      |
| 88) Benzo(b)fluoranthene      | 14.980 | 252  | 533060   | 49.322 | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 15.010 | 252  | 495598   | 46.421 | ng    | 100      |
| 90) Benzo(a)pyrene            | 15.345 | 252  | 483901   | 46.950 | ng    | 98       |
| 91) Dibenzo(a,h)anthracene    | 16.910 | 278  | 535080   | 49.957 | ng    | 99       |
| 92) Benzo(g,h,i)perylene      | 17.351 | 276  | 558245   | 49.906 | ng    | 98       |

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

