

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF012524\  
 Data File : BF137147.D  
 Acq On : 25 Jan 2024 14:19  
 Operator : CG\JU  
 Sample : SSTDICC080  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDICC080

Manual Integrations  
 APPROVED

Reviewed By :Jagrut Upadhyay 01/26/2024  
 Supervised By :mohammad ahmed 01/29/2024

Quant Time: Jan 25 23:11:13 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF012524.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jan 25 23:02:38 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.816  | 152  | 72434    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.093  | 136  | 272251   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.851  | 164  | 153362   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.340 | 188  | 299976   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 13.998 | 240  | 163565   | 20.000  | ng    | # 0.00   |
| 86) Perylene-d12              | 15.480 | 264  | 161758   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.446  | 112  | 723049   | 147.890 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.457  | 99   | 948532   | 147.557 | ng    | 0.01     |
| 23) Nitrobenzene-d5           | 7.387  | 82   | 951173   | 163.780 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.645 | 330  | 262939   | 162.985 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.181  | 172  | 1535664  | 139.403 | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.945 | 244  | 1793924  | 156.834 | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.593  | 88   | 176642   | 74.774  | ng    | 98       |
| 3) Pyridine                   | 3.358  | 79   | 435949   | 76.465  | ng    | 99       |
| 4) n-Nitrosodimethylamine     | 3.346  | 42   | 252037   | 75.864  | ng    | 95       |
| 6) Aniline                    | 6.487  | 93   | 583824   | 75.279  | ng    | 98       |
| 8) 2-Chlorophenol             | 6.605  | 128  | 381747   | 76.072  | ng    | 97       |
| 9) Benzaldehyde               | 6.369  | 77   | 184253   | 54.637  | ng    | 98       |
| 10) Phenol                    | 6.469  | 94   | 532903   | 72.558  | ng    | 89       |
| 11) bis(2-Chloroethyl)ether   | 6.563  | 93   | 392846   | 73.375  | ng    | 100      |
| 12) 1,3-Dichlorobenzene       | 6.757  | 146  | 419708   | 73.216  | ng    | 98       |
| 13) 1,4-Dichlorobenzene       | 6.834  | 146  | 421999   | 72.782  | ng    | 97       |
| 14) 1,2-Dichlorobenzene       | 6.987  | 146  | 399815   | 72.966  | ng    | 99       |
| 15) Benzyl Alcohol            | 6.963  | 79   | 404182   | 77.557  | ng    | 99       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.093  | 45   | 652667   | 69.089  | ng    | 97       |
| 17) 2-Methylphenol            | 7.069  | 107  | 324547   | 75.468  | ng    | 98       |
| 18) Hexachloroethane          | 7.328  | 117  | 150874   | 77.088  | ng    | 95       |
| 19) n-Nitroso-di-n-propyla... | 7.246  | 70   | 323844   | 74.461  | ng    | 99       |
| 20) 3+4-Methylphenols         | 7.228  | 107  | 395509   | 72.778  | ng    | 92       |
| 22) Acetophenone              | 7.234  | 105  | 562093   | 72.625  | ng    | # 89     |
| 24) Nitrobenzene              | 7.404  | 77   | 461501   | 79.023  | ng    | 97       |
| 25) Isophorone                | 7.646  | 82   | 860858   | 75.068  | ng    | 100      |
| 26) 2-Nitrophenol             | 7.716  | 139  | 167988   | 80.592  | ng    | 97       |
| 27) 2,4-Dimethylphenol        | 7.752  | 122  | 263539   | 76.001  | ng    | 98       |
| 28) bis(2-Chloroethoxy)met... | 7.852  | 93   | 483726   | 74.867  | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 7.952  | 162  | 315628   | 75.723  | ng    | 95       |
| 30) 1,2,4-Trichlorobenzene    | 8.034  | 180  | 356921   | 72.720  | ng    | 98       |
| 31) Naphthalene               | 8.116  | 128  | 1065149  | 72.453  | ng    | 99       |
| 32) Benzoic acid              | 7.899  | 122  | 202257   | 81.985  | ng    | 93       |
| 33) 4-Chloroaniline           | 8.169  | 127  | 409218   | 73.734  | ng    | 98       |
| 34) Hexachlorobutadiene       | 8.234  | 225  | 235210   | 72.401  | ng    | 98       |
| 35) Caprolactam               | 8.563  | 113  | 103420m  | 82.241  | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 8.651  | 107  | 362670   | 76.386  | ng    | 98       |
| 37) 2-Methylnaphthalene       | 8.810  | 142  | 718546   | 72.573  | ng    | 99       |
| 38) 1-Methylnaphthalene       | 8.910  | 142  | 664899   | 72.276  | ng    | 100      |
| 40) 1,2,4,5-Tetrachloroben... | 8.975  | 216  | 374638   | 71.863  | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 8.963  | 237  | 193305   | 91.213  | ng    | 98       |
| 43) 2,4,6-Trichlorophenol     | 9.087  | 196  | 241201   | 78.677  | ng    | 100      |

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## Manual Integrations

## APPROVED

Reviewed By :Jagrut Upadhyay 01/26/2024  
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Quant Time: Jan 25 23:11:13 2024

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF012524.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Thu Jan 25 23:02:38 2024

Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.122  | 196  | 259833   | 78.973 | ng    | 97       |
| 46) 1,1'-Biphenyl             | 9.281  | 154  | 887488   | 72.587 | ng    | 99       |
| 47) 2-Chloronaphthalene       | 9.298  | 162  | 661021   | 73.449 | ng    | 99       |
| 48) 2-Nitroaniline            | 9.398  | 65   | 250444   | 80.136 | ng    | 96       |
| 49) Acenaphthylene            | 9.716  | 152  | 1059986  | 73.279 | ng    | 99       |
| 50) Dimethylphthalate         | 9.587  | 163  | 789819   | 76.046 | ng    | 100      |
| 51) 2,6-Dinitrotoluene        | 9.646  | 165  | 168581   | 78.777 | ng    | 90       |
| 52) Acenaphthene              | 9.887  | 154  | 675774   | 75.484 | ng    | 99       |
| 53) 3-Nitroaniline            | 9.816  | 138  | 174106   | 91.796 | ng    | 98       |
| 54) 2,4-Dinitrophenol         | 9.910  | 184  | 74877    | 79.510 | ng    | 91       |
| 55) Dibenzofuran              | 10.063 | 168  | 970455   | 71.860 | ng    | 99       |
| 56) 4-Nitrophenol             | 9.969  | 139  | 138006   | 91.468 | ng    | 91       |
| 57) 2,4-Dinitrotoluene        | 10.045 | 165  | 219112   | 79.560 | ng    | 96       |
| 58) Fluorene                  | 10.404 | 166  | 731942   | 70.704 | ng    | 100      |
| 59) 2,3,4,6-Tetrachlorophenol | 10.175 | 232  | 228832   | 79.742 | ng    | 98       |
| 60) Diethylphthalate          | 10.287 | 149  | 775100   | 76.094 | ng    | 99       |
| 61) 4-Chlorophenyl-phenyle... | 10.398 | 204  | 359139   | 69.599 | ng    | 97       |
| 62) 4-Nitroaniline            | 10.434 | 138  | 170124   | 89.892 | ng    | 95       |
| 63) Azobenzene                | 10.563 | 77   | 879560   | 74.148 | ng    | 98       |
| 65) 4,6-Dinitro-2-methylph... | 10.457 | 198  | 104952   | 80.956 | ng    | 84       |
| 66) n-Nitrosodiphenylamine    | 10.522 | 169  | 658110   | 71.560 | ng    | 98       |
| 67) 4-Bromophenyl-phenylether | 10.893 | 248  | 250107   | 72.360 | ng    | 100      |
| 68) Hexachlorobenzene         | 10.951 | 284  | 264052   | 72.635 | ng    | 97       |
| 69) Atrazine                  | 11.057 | 200  | 230017   | 77.634 | ng    | 98       |
| 70) Pentachlorophenol         | 11.140 | 266  | 175248   | 84.599 | ng    | 98       |
| 71) Phenanthrene              | 11.369 | 178  | 1117462  | 70.399 | ng    | 100      |
| 72) Anthracene                | 11.422 | 178  | 1148616  | 71.033 | ng    | 99       |
| 73) Carbazole                 | 11.575 | 167  | 996459   | 72.167 | ng    | 99       |
| 74) Di-n-butylphthalate       | 11.916 | 149  | 1135409  | 78.529 | ng    | 99       |
| 75) Fluoranthene              | 12.563 | 202  | 1180361  | 71.659 | ng    | 99       |
| 77) Benzidine                 | 12.687 | 184  | 258904   | 81.622 | ng    | 98       |
| 78) Pyrene                    | 12.792 | 202  | 1181406  | 80.089 | ng    | 100      |
| 80) Butylbenzylphthalate      | 13.428 | 149  | 302954   | 79.640 | ng    | 90       |
| 81) Benzo(a)anthracene        | 13.986 | 228  | 926014   | 77.393 | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 13.957 | 252  | 251988   | 85.184 | ng    | 99       |
| 83) Chrysene                  | 14.022 | 228  | 877916   | 77.413 | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 13.992 | 149  | 437221   | 82.264 | ng    | 99       |
| 85) Di-n-octyl phthalate      | 14.616 | 149  | 683063   | 81.647 | ng    | 97       |
| 87) Indeno(1,2,3-cd)pyrene    | 16.998 | 276  | 896120   | 82.515 | ng    | 100      |
| 88) Benzo(b)fluoranthene      | 15.045 | 252  | 787613   | 74.209 | ng    | 100      |
| 89) Benzo(k)fluoranthene      | 15.080 | 252  | 727193   | 70.122 | ng    | 98       |
| 90) Benzo(a)pyrene            | 15.422 | 252  | 706221   | 75.323 | ng    | 98       |
| 91) Dibenzo(a,h)anthracene    | 17.033 | 278  | 721713   | 82.453 | ng    | 100      |
| 92) Benzo(g,h,i)perylene      | 17.463 | 276  | 702833   | 83.375 | ng    | 99       |

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

