

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF102624\  
 Data File : BF140050.D  
 Acq On : 26 Oct 2024 10:38  
 Operator : RC/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

## Instrument :

BNA\_F

## ClientSampleId :

SSTDCCC040

## Manual Integrations

## APPROVED

Reviewed By :Yogesh Patel 10/29/2024

Supervised By :mohammad ahmed 10/29/2024

Quant Time: Oct 28 01:04:37 2024

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF101824.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Fri Oct 18 15:07:50 2024

Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.892  | 152  | 128827   | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.175  | 136  | 465620   | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.928  | 164  | 252523   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.416 | 188  | 452033   | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12              | 14.051 | 240  | 241717   | 20.000 | ng    | 0.00     |
| 86) Perylene-d12              | 15.533 | 264  | 235878   | 20.000 | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.498  | 112  | 628864   | 76.419 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.510  | 99   | 789164   | 74.043 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.451  | 82   | 708619   | 84.348 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.716 | 330  | 205981   | 87.205 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.245  | 172  | 1223250  | 80.059 | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.998 | 244  | 1215864  | 81.965 | ng    | 0.00     |
| Target Compounds              |        |      |          |        |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.669  | 88   | 150421   | 39.204 | ng    | 95       |
| 3) Pyridine                   | 3.434  | 79   | 367370   | 38.628 | ng    | 96       |
| 4) n-Nitrosodimethylamine     | 3.387  | 42   | 190956   | 37.371 | ng    | 99       |
| 6) Aniline                    | 6.551  | 93   | 368957   | 37.144 | ng    | 99       |
| 8) 2-Chlorophenol             | 6.675  | 128  | 320586   | 38.107 | ng    | 98       |
| 9) Benzaldehyde               | 6.440  | 77   | 234371   | 39.089 | ng    | 98       |
| 10) Phenol                    | 6.528  | 94   | 407135m  | 37.053 | ng    |          |
| 11) bis(2-Chloroethyl)ether   | 6.628  | 93   | 315031   | 37.093 | ng    | 98       |
| 12) 1,3-Dichlorobenzene       | 6.834  | 146  | 380517   | 39.403 | ng    | 99       |
| 13) 1,4-Dichlorobenzene       | 6.910  | 146  | 381820   | 39.575 | ng    | 98       |
| 14) 1,2-Dichlorobenzene       | 7.063  | 146  | 352670   | 39.166 | ng    | 99       |
| 15) Benzyl Alcohol            | 7.028  | 79   | 290777   | 37.193 | ng    | 99       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.163  | 45   | 492247   | 33.991 | ng    | 98       |
| 17) 2-Methylphenol            | 7.134  | 107  | 265251   | 36.976 | ng    | 99       |
| 18) Hexachloroethane          | 7.404  | 117  | 133886   | 38.915 | ng    | 96       |
| 19) n-Nitroso-di-n-propyla... | 7.304  | 70   | 225036   | 34.813 | ng    | 96       |
| 20) 3+4-Methylphenols         | 7.287  | 107  | 337114   | 36.741 | ng    | 97       |
| 22) Acetophenone              | 7.298  | 105  | 442717   | 38.819 | ng    | 98       |
| 24) Nitrobenzene              | 7.475  | 77   | 371997   | 40.387 | ng    | 99       |
| 25) Isophorone                | 7.710  | 82   | 600543   | 37.663 | ng    | 100      |
| 26) 2-Nitrophenol             | 7.787  | 139  | 152898   | 44.001 | ng    | 98       |
| 27) 2,4-Dimethylphenol        | 7.816  | 122  | 215623   | 37.214 | ng    | 98       |
| 28) bis(2-Chloroethoxy)met... | 7.916  | 93   | 366191   | 37.905 | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 8.022  | 162  | 259831   | 39.370 | ng    | 99       |
| 30) 1,2,4-Trichlorobenzene    | 8.110  | 180  | 297397   | 40.725 | ng    | 99       |
| 31) Naphthalene               | 8.192  | 128  | 957179   | 39.859 | ng    | 100      |
| 32) Benzoic acid              | 7.922  | 122  | 196406   | 38.864 | ng    | 99       |
| 33) 4-Chloroaniline           | 8.239  | 127  | 319573   | 39.027 | ng    | 98       |
| 34) Hexachlorobutadiene       | 8.310  | 225  | 190352   | 41.486 | ng    | 99       |
| 35) Caprolactam               | 8.610  | 113  | 82029    | 39.090 | ng    | 92       |
| 36) 4-Chloro-3-methylphenol   | 8.716  | 107  | 286338   | 39.183 | ng    | 98       |
| 37) 2-Methylnaphthalene       | 8.886  | 142  | 575923   | 39.160 | ng    | 99       |
| 38) 1-Methylnaphthalene       | 8.986  | 142  | 563589   | 39.059 | ng    | 100      |
| 40) 1,2,4,5-Tetrachloroben... | 9.051  | 216  | 280380   | 41.156 | ng    | 100      |
| 41) Hexachlorocyclopentadiene | 9.039  | 237  | 96240    | 40.599 | ng    | 100      |
| 43) 2,4,6-Trichlorophenol     | 9.157  | 196  | 189095   | 39.204 | ng    | 100      |

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 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.198  | 196  | 209100   | 42.019 | ng    | 98       |
| 46) 1,1'-Biphenyl             | 9.351  | 154  | 702753   | 39.976 | ng    | 99       |
| 47) 2-Chloronaphthalene       | 9.375  | 162  | 569969   | 40.256 | ng    | 100      |
| 48) 2-Nitroaniline            | 9.463  | 65   | 189346   | 43.726 | ng    | 97       |
| 49) Acenaphthylene            | 9.792  | 152  | 822402   | 40.178 | ng    | 99       |
| 50) Dimethylphthalate         | 9.645  | 163  | 620788   | 39.467 | ng    | 100      |
| 51) 2,6-Dinitrotoluene        | 9.710  | 165  | 146590   | 43.043 | ng    | 95       |
| 52) Acenaphthene              | 9.963  | 154  | 534118   | 40.337 | ng    | 99       |
| 53) 3-Nitroaniline            | 9.875  | 138  | 150273   | 42.788 | ng    | 98       |
| 54) 2,4-Dinitrophenol         | 9.980  | 184  | 63575    | 47.791 | ng    | # 1      |
| 55) Dibenzofuran              | 10.133 | 168  | 753272   | 39.650 | ng    | 99       |
| 56) 4-Nitrophenol             | 10.022 | 139  | 115811   | 42.861 | ng    | 98       |
| 57) 2,4-Dinitrotoluene        | 10.110 | 165  | 193550   | 46.215 | ng    | 97       |
| 58) Fluorene                  | 10.475 | 166  | 580262   | 40.101 | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol | 10.245 | 232  | 158963   | 40.748 | ng    | 98       |
| 60) Diethylphthalate          | 10.345 | 149  | 596467   | 38.622 | ng    | 99       |
| 61) 4-Chlorophenyl-phenyle... | 10.469 | 204  | 293294   | 40.136 | ng    | 99       |
| 62) 4-Nitroaniline            | 10.486 | 138  | 145969   | 44.006 | ng    | 98       |
| 63) Azobenzene                | 10.628 | 77   | 604466   | 36.919 | ng    | 97       |
| 65) 4,6-Dinitro-2-methylph... | 10.516 | 198  | 94428    | 51.213 | ng    | 95       |
| 66) n-Nitrosodiphenylamine    | 10.586 | 169  | 516725   | 38.193 | ng    | 100      |
| 67) 4-Bromophenyl-phenylether | 10.957 | 248  | 182651   | 39.222 | ng    | 98       |
| 68) Hexachlorobenzene         | 11.022 | 284  | 210271   | 40.149 | ng    | 98       |
| 69) Atrazine                  | 11.110 | 200  | 141427   | 38.590 | ng    | 98       |
| 70) Pentachlorophenol         | 11.216 | 266  | 137449   | 43.242 | ng    | 99       |
| 71) Phenanthrene              | 11.439 | 178  | 825275   | 38.651 | ng    | 100      |
| 72) Anthracene                | 11.492 | 178  | 814682   | 39.105 | ng    | 100      |
| 73) Carbazole                 | 11.645 | 167  | 752228   | 38.824 | ng    | 99       |
| 74) Di-n-butylphthalate       | 11.975 | 149  | 855272   | 38.208 | ng    | 100      |
| 75) Fluoranthene              | 12.627 | 202  | 872425   | 40.418 | ng    | 99       |
| 77) Benzidine                 | 12.745 | 184  | 218225   | 54.904 | ng    | 99       |
| 78) Pyrene                    | 12.857 | 202  | 875493   | 41.378 | ng    | 100      |
| 80) Butylbenzylphthalate      | 13.469 | 149  | 266392   | 41.996 | ng    | 98       |
| 81) Benzo(a)anthracene        | 14.045 | 228  | 634008   | 40.293 | ng    | 100      |
| 82) 3,3'-Dichlorobenzidine    | 14.004 | 252  | 197714   | 43.096 | ng    | 98       |
| 83) Chrysene                  | 14.080 | 228  | 559543   | 38.784 | ng    | 100      |
| 84) Bis(2-ethylhexyl)phtha... | 14.027 | 149  | 293086   | 41.182 | ng    | 99       |
| 85) Di-n-octyl phthalate      | 14.645 | 149  | 432082   | 33.379 | ng    | 98       |
| 87) Indeno(1,2,3-cd)pyrene    | 17.033 | 276  | 614705   | 40.509 | ng    | 97       |
| 88) Benzo(b)fluoranthene      | 15.098 | 252  | 544199   | 37.874 | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 15.127 | 252  | 501497   | 40.470 | ng    | 99       |
| 90) Benzo(a)pyrene            | 15.468 | 252  | 477754   | 40.409 | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 17.051 | 278  | 504913   | 39.886 | ng    | 97       |
| 92) Benzo(g,h,i)perylene      | 17.486 | 276  | 523930   | 41.435 | ng    | 98       |

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

