

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF060723\  
 Data File : BF133617.D  
 Acq On : 07 Jun 2023 09:52  
 Operator : CG\JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

Manual Integrations

APPROVED

 Reviewed By :Yogesh  
 Patel

Quant Time: Jun 07 11:28:15 2023

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF052523.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Wed Jun 07 11:27:15 2023

Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.839  | 152  | 136433   | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.122  | 136  | 504881   | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.880  | 164  | 250309   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.369 | 188  | 498003   | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12              | 14.015 | 240  | 324972   | 20.000 | ng    | 0.00     |
| 86) Perylene-d12              | 15.480 | 264  | 295076   | 20.000 | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.445  | 112  | 622626   | 76.142 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.469  | 99   | 763815   | 75.879 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.404  | 82   | 717945   | 94.945 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.669 | 330  | 232687   | 93.257 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.198  | 172  | 1250902  | 77.132 | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.957 | 244  | 1436653  | 78.602 | ng    | 0.00     |
| Target Compounds              |        |      |          |        |       |          |
| 2) 1,4-Dioxane                | 2.575  | 88   | 137406   | 37.207 | ng    | 99       |
| 3) Pyridine                   | 3.316  | 79   | 387978   | 37.468 | ng    | 97       |
| 4) n-Nitrosodimethylamine     | 3.281  | 42   | 206060   | 36.489 | ng    | 97       |
| 6) Aniline                    | 6.504  | 93   | 515868   | 37.744 | ng    | 98       |
| 8) 2-Chlorophenol             | 6.622  | 128  | 322164   | 39.984 | ng    | 96       |
| 9) Benzaldehyde               | 6.387  | 77   | 177044   | 34.235 | ng    | 99       |
| 10) Phenol                    | 6.481  | 94   | 401987m  | 39.808 | ng    |          |
| 11) bis(2-Chloroethyl)ether   | 6.575  | 93   | 305116   | 36.545 | ng    | 98       |
| 12) 1,3-Dichlorobenzene       | 6.781  | 146  | 338827   | 37.878 | ng    | 96       |
| 13) 1,4-Dichlorobenzene       | 6.857  | 146  | 339027   | 37.804 | ng    | 99       |
| 14) 1,2-Dichlorobenzene       | 7.010  | 146  | 308829   | 37.317 | ng    | 97       |
| 15) Benzyl Alcohol            | 6.981  | 79   | 302058   | 39.525 | ng    | 99       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.116  | 45   | 542650   | 34.269 | ng    | 97       |
| 17) 2-Methylphenol            | 7.086  | 107  | 289952   | 38.001 | ng    | 98       |
| 18) Hexachloroethane          | 7.351  | 117  | 118656   | 38.264 | ng    | # 86     |
| 19) n-Nitroso-di-n-propyla... | 7.257  | 70   | 235470   | 36.154 | ng    | 95       |
| 20) 3+4-Methylphenols         | 7.245  | 107  | 349031   | 40.461 | ng    | # 88     |
| 22) Acetophenone              | 7.251  | 105  | 425244   | 36.574 | ng    | # 95     |
| 24) Nitrobenzene              | 7.422  | 77   | 366506   | 45.489 | ng    | 98       |
| 25) Isophorone                | 7.663  | 82   | 648210   | 36.782 | ng    | 98       |
| 26) 2-Nitrophenol             | 7.739  | 139  | 174665   | 47.377 | ng    | 96       |
| 27) 2,4-Dimethylphenol        | 7.775  | 122  | 283563   | 37.817 | ng    | 99       |
| 28) bis(2-Chloroethoxy)met... | 7.875  | 93   | 375088   | 36.705 | ng    | 98       |
| 29) 2,4-Dichlorophenol        | 7.981  | 162  | 270812   | 40.143 | ng    | 94       |
| 30) 1,2,4-Trichlorobenzene    | 8.063  | 180  | 277986   | 38.096 | ng    | 99       |
| 31) Naphthalene               | 8.145  | 128  | 921394   | 37.643 | ng    | 99       |
| 32) Benzoic acid              | 7.886  | 122  | 216891m  | 44.538 | ng    |          |
| 33) 4-Chloroaniline           | 8.192  | 127  | 404991   | 38.604 | ng    | 98       |
| 34) Hexachlorobutadiene       | 8.257  | 225  | 168957   | 38.065 | ng    | 100      |
| 35) Caprolactam               | 8.575  | 113  | 95124    | 42.995 | ng    | 92       |
| 36) 4-Chloro-3-methylphenol   | 8.669  | 107  | 304778   | 40.331 | ng    | 99       |
| 37) 2-Methylnaphthalene       | 8.833  | 142  | 633477   | 37.905 | ng    | 97       |
| 38) 1-Methylnaphthalene       | 8.933  | 142  | 597952   | 38.383 | ng    | 99       |
| 40) 1,2,4,5-Tetrachloroben... | 9.004  | 216  | 280338   | 37.787 | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 8.986  | 237  | 147335   | 38.754 | ng    | 99       |
| 43) 2,4,6-Trichlorophenol     | 9.110  | 196  | 194683   | 41.010 | ng    | 99       |

06/08/2023

Supervised By :mohammad

Ahmed

06/08/2023

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 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |                          |
|-------------------------------|--------|------|----------|--------|-------|----------|--------------------------|
| 44) 2,4,5-Trichlorophenol     | 9.151  | 196  | 234114   | 42.488 | ng    | 97       | 06/08/2023               |
| 46) 1,1'-Biphenyl             | 9.304  | 154  | 764508   | 37.593 | ng    | 98       | Supervised By : mohammad |
| 47) 2-Chloronaphthalene       | 9.328  | 162  | 549364   | 37.274 | ng    | 99       | ahmed                    |
| 48) 2-Nitroaniline            | 9.422  | 65   | 208074   | 44.307 | ng    | 97       |                          |
| 49) Acenaphthylene            | 9.739  | 152  | 956748   | 38.039 | ng    | 99       |                          |
| 50) Dimethylphthalate         | 9.604  | 163  | 687570   | 39.083 | ng    | 100      |                          |
| 51) 2,6-Dinitrotoluene        | 9.663  | 165  | 153561   | 46.069 | ng    | 97       | 06/08/2023               |
| 52) Acenaphthene              | 9.916  | 154  | 604238m  | 39.659 | ng    |          |                          |
| 53) 3-Nitroaniline            | 9.833  | 138  | 189325   | 45.337 | ng    | # 97     |                          |
| 54) 2,4-Dinitrophenol         | 9.939  | 184  | 84443    | 57.298 | ng    | 97       |                          |
| 55) Dibenzofuran              | 10.086 | 168  | 856414   | 37.782 | ng    | 99       |                          |
| 56) 4-Nitrophenol             | 9.986  | 139  | 143472   | 47.667 | ng    | 98       |                          |
| 57) 2,4-Dinitrotoluene        | 10.069 | 165  | 201894   | 48.569 | ng    | 86       |                          |
| 58) Fluorene                  | 10.427 | 166  | 642499   | 38.688 | ng    | 100      |                          |
| 59) 2,3,4,6-Tetrachlorophenol | 10.204 | 232  | 182900   | 44.075 | ng    | 97       |                          |
| 60) Diethylphthalate          | 10.304 | 149  | 701223   | 38.396 | ng    | 99       |                          |
| 61) 4-Chlorophenyl-phenyle... | 10.422 | 204  | 307239   | 38.529 | ng    | 100      |                          |
| 62) 4-Nitroaniline            | 10.451 | 138  | 186998   | 44.487 | ng    | 97       |                          |
| 63) Azobenzene                | 10.580 | 77   | 676078   | 36.982 | ng    | 97       |                          |
| 65) 4,6-Dinitro-2-methylph... | 10.480 | 198  | 110242   | 53.020 | ng    | # 70     |                          |
| 66) n-Nitrosodiphenylamine    | 10.539 | 169  | 587973   | 36.367 | ng    | 99       |                          |
| 67) 4-Bromophenyl-phenylether | 10.910 | 248  | 198871   | 37.602 | ng    | 98       |                          |
| 68) Hexachlorobenzene         | 10.974 | 284  | 213944   | 38.683 | ng    | 97       |                          |
| 69) Atrazine                  | 11.069 | 200  | 165337   | 37.271 | ng    | 98       |                          |
| 70) Pentachlorophenol         | 11.169 | 266  | 146118   | 44.185 | ng    | 99       |                          |
| 71) Phenanthrene              | 11.392 | 178  | 941148   | 37.312 | ng    | 99       |                          |
| 72) Anthracene                | 11.445 | 178  | 967686   | 37.276 | ng    | 100      |                          |
| 73) Carbazole                 | 11.598 | 167  | 930735   | 37.911 | ng    | 100      |                          |
| 74) Di-n-butylphthalate       | 11.933 | 149  | 1080871  | 37.233 | ng    | 99       |                          |
| 75) Fluoranthene              | 12.586 | 202  | 1061025  | 38.083 | ng    | 98       |                          |
| 77) Benzidine                 | 12.704 | 184  | 238144   | 25.056 | ng    | 99       |                          |
| 78) Pyrene                    | 12.816 | 202  | 1095564  | 39.617 | ng    | 99       |                          |
| 80) Butylbenzylphthalate      | 13.433 | 149  | 458764   | 41.929 | ng    | 99       |                          |
| 81) Benzo(a)anthracene        | 14.004 | 228  | 852324   | 39.371 | ng    | 100      |                          |
| 82) 3,3'-Dichlorobenzidine    | 13.968 | 252  | 257796   | 38.093 | ng    | 97       |                          |
| 83) Chrysene                  | 14.045 | 228  | 838138   | 38.351 | ng    | 100      |                          |
| 84) Bis(2-ethylhexyl)phtha... | 13.992 | 149  | 577656   | 42.237 | ng    | 99       |                          |
| 85) Di-n-octyl phthalate      | 14.610 | 149  | 914093   | 40.122 | ng    | 97       |                          |
| 87) Indeno(1,2,3-cd)pyrene    | 16.945 | 276  | 760305   | 40.451 | ng    | 98       |                          |
| 88) Benzo(b)fluoranthene      | 15.051 | 252  | 728854   | 37.932 | ng    | 98       |                          |
| 89) Benzo(k)fluoranthene      | 15.086 | 252  | 647852   | 34.579 | ng    | 99       |                          |
| 90) Benzo(a)pyrene            | 15.415 | 252  | 650855   | 37.226 | ng    | 100      |                          |
| 91) Dibenzo(a,h)anthracene    | 16.968 | 278  | 620682   | 40.729 | ng    | 97       |                          |
| 92) Benzo(g,h,i)perylene      | 17.392 | 276  | 631039   | 41.067 | ng    | 99       |                          |

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

