

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF121823\  
 Data File : BF136607.D  
 Acq On : 18 Dec 2023 11:14  
 Operator : CG\JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Dec 19 00:59:45 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF120523.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Dec 19 00:56:37 2023  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

Reviewed By :Yogesh  
 Patel

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.792  | 152  | 140143   | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.069  | 136  | 558066   | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.828  | 164  | 293271   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.322 | 188  | 526830   | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12              | 13.974 | 240  | 277889   | 20.000 | ng    | # 0.00   |
| 86) Perylene-d12              | 15.457 | 264  | 259295   | 20.000 | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.428  | 112  | 657031   | 69.238 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.445  | 99   | 821013   | 69.345 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.357  | 82   | 750158   | 72.668 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.627 | 330  | 259939   | 71.885 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.151  | 172  | 1521637  | 70.797 | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.921 | 244  | 1638184  | 77.700 | ng    | 0.00     |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.546  | 88   | 124969   | 33.295 | ng    | 94       |
| 3) Pyridine                   | 3.304  | 79   | 333828   | 36.726 | ng    | 92       |
| 4) n-Nitrosodimethylamine     | 3.281  | 42   | 134119   | 33.963 | ng    | 99       |
| 6) Aniline                    | 6.463  | 93   | 485203   | 40.551 | ng    | 99       |
| 8) 2-Chlorophenol             | 6.581  | 128  | 358396   | 34.595 | ng    | 98       |
| 9) Benzaldehyde               | 6.345  | 77   | 226213   | 37.196 | ng    | 94       |
| 10) Phenol                    | 6.457  | 94   | 426245   | 33.833 | ng    | 77       |
| 11) bis(2-Chloroethyl)ether   | 6.534  | 93   | 326039   | 34.720 | ng    | 98       |
| 12) 1,3-Dichlorobenzene       | 6.734  | 146  | 372137   | 31.942 | ng    | 97       |
| 13) 1,4-Dichlorobenzene       | 6.810  | 146  | 379992   | 32.152 | ng    | 99       |
| 14) 1,2-Dichlorobenzene       | 6.963  | 146  | 353929   | 31.847 | ng    | 98       |
| 15) Benzyl Alcohol            | 6.939  | 79   | 287143   | 36.218 | ng    | 98       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.069  | 45   | 383689   | 31.768 | ng    | 88       |
| 17) 2-Methylphenol            | 7.057  | 107  | 307195   | 36.704 | ng    | 94       |
| 18) Hexachloroethane          | 7.298  | 117  | 133250   | 32.294 | ng    | 95       |
| 19) n-Nitroso-di-n-propyla... | 7.210  | 70   | 232762   | 34.081 | ng    | 98       |
| 20) 3+4-Methylphenols         | 7.210  | 107  | 373696   | 35.972 | ng    | # 76     |
| 22) Acetophenone              | 7.204  | 105  | 488593   | 35.455 | ng    | 98       |
| 24) Nitrobenzene              | 7.375  | 77   | 355436   | 34.227 | ng    | 99       |
| 25) Isophorone                | 7.616  | 82   | 659357   | 35.552 | ng    | 97       |
| 26) 2-Nitrophenol             | 7.686  | 139  | 195578   | 38.309 | ng    | 100      |
| 27) 2,4-Dimethylphenol        | 7.734  | 122  | 281683   | 44.746 | ng    | 99       |
| 28) bis(2-Chloroethoxy)met... | 7.822  | 93   | 415128   | 36.426 | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 7.934  | 162  | 299171   | 36.005 | ng    | 99       |
| 30) 1,2,4-Trichlorobenzene    | 8.010  | 180  | 329841   | 34.043 | ng    | 96       |
| 31) Naphthalene               | 8.092  | 128  | 1069845  | 34.763 | ng    | 98       |
| 32) Benzoic acid              | 7.875  | 122  | 218380m  | 34.969 | ng    |          |
| 33) 4-Chloroaniline           | 8.145  | 127  | 433317   | 39.494 | ng    | 99       |
| 34) Hexachlorobutadiene       | 8.204  | 225  | 196613   | 34.240 | ng    | 98       |
| 35) Caprolactam               | 8.528  | 113  | 95103    | 37.166 | ng    | # 85     |
| 36) 4-Chloro-3-methylphenol   | 8.633  | 107  | 316958   | 35.926 | ng    | 100      |
| 37) 2-Methylnaphthalene       | 8.786  | 142  | 721317   | 36.842 | ng    | 94       |
| 38) 1-Methylnaphthalene       | 8.886  | 142  | 668388   | 34.790 | ng    | 96       |
| 40) 1,2,4,5-Tetrachloroben... | 8.951  | 216  | 334737   | 36.687 | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 8.933  | 237  | 134684   | 39.845 | ng    | 99       |
| 43) 2,4,6-Trichlorophenol     | 9.069  | 196  | 210242   | 35.389 | ng    | 98       |

12/19/2023  
 Supervised By :mohammad  
 Ahmed

12/19/2023

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF121823\  
 Data File : BF136607.D  
 Acq On : 18 Dec 2023 11:14  
 Operator : CG\JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Manual Integrations  
 APPROVED

Reviewed By :Yogesh  
 Patel

Quant Time: Dec 19 00:59:45 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF120523.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Dec 19 00:56:37 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |                                  |
|-------------------------------|--------|------|----------|--------|-------|----------|----------------------------------|
| 44) 2,4,5-Trichlorophenol     | 9.110  | 196  | 247176   | 37.278 | ng    | 97       | 12/19/2023                       |
| 46) 1,1'-Biphenyl             | 9.251  | 154  | 886633   | 35.530 | ng    | 98       | Supervised By :mohammad<br>ahmed |
| 47) 2-Chloronaphthalene       | 9.275  | 162  | 644031   | 33.159 | ng    | 96       |                                  |
| 48) 2-Nitroaniline            | 9.375  | 65   | 188269   | 36.142 | ng    | 95       |                                  |
| 49) Acenaphthylene            | 9.692  | 152  | 982405   | 35.507 | ng    | 99       |                                  |
| 50) Dimethylphthalate         | 9.557  | 163  | 791190   | 36.643 | ng    | 99       |                                  |
| 51) 2,6-Dinitrotoluene        | 9.622  | 165  | 172821   | 35.578 | ng    | 95       | 12/19/2023                       |
| 52) Acenaphthene              | 9.863  | 154  | 619994   | 34.969 | ng    | 97       |                                  |
| 53) 3-Nitroaniline            | 9.792  | 138  | 181245   | 36.539 | ng    | 97       |                                  |
| 54) 2,4-Dinitrophenol         | 9.898  | 184  | 82971    | 33.784 | ng    | # 92     |                                  |
| 55) Dibenzofuran              | 10.039 | 168  | 931837   | 35.977 | ng    | 97       |                                  |
| 56) 4-Nitrophenol             | 9.963  | 139  | 122546   | 32.956 | ng    | 90       |                                  |
| 57) 2,4-Dinitrotoluene        | 10.028 | 165  | 219009   | 34.082 | ng    | 95       |                                  |
| 58) Fluorene                  | 10.380 | 166  | 724560   | 34.849 | ng    | 100      |                                  |
| 59) 2,3,4,6-Tetrachlorophenol | 10.157 | 232  | 186019   | 35.024 | ng    | 99       |                                  |
| 60) Diethylphthalate          | 10.257 | 149  | 752949   | 35.463 | ng    | 99       |                                  |
| 61) 4-Chlorophenyl-phenyle... | 10.375 | 204  | 370733   | 36.577 | ng    | 93       |                                  |
| 62) 4-Nitroaniline            | 10.410 | 138  | 180663   | 36.680 | ng    | 99       |                                  |
| 63) Azobenzene                | 10.533 | 77   | 663669   | 34.342 | ng    | 97       |                                  |
| 65) 4,6-Dinitro-2-methylph... | 10.439 | 198  | 126250   | 38.695 | ng    | 94       |                                  |
| 66) n-Nitrosodiphenylamine    | 10.498 | 169  | 646923   | 38.268 | ng    | 96       |                                  |
| 67) 4-Bromophenyl-phenylether | 10.863 | 248  | 233773   | 38.166 | ng    | 94       |                                  |
| 68) Hexachlorobenzene         | 10.927 | 284  | 247650   | 34.982 | ng    | 99       |                                  |
| 69) Atrazine                  | 11.027 | 200  | 162923   | 33.767 | ng    | 97       |                                  |
| 70) Pentachlorophenol         | 11.127 | 266  | 163031   | 40.804 | ng    | 98       |                                  |
| 71) Phenanthrene              | 11.345 | 178  | 1050451  | 36.276 | ng    | 98       |                                  |
| 72) Anthracene                | 11.398 | 178  | 1080053  | 37.031 | ng    | 99       |                                  |
| 73) Carbazole                 | 11.557 | 167  | 890885   | 34.512 | ng    | 99       |                                  |
| 74) Di-n-butylphthalate       | 11.892 | 149  | 1190391  | 37.616 | ng    | 100      |                                  |
| 75) Fluoranthene              | 12.539 | 202  | 1030241  | 33.951 | ng    | 97       |                                  |
| 77) Benzidine                 | 12.663 | 184  | 115239   | 24.321 | ng    | 99       |                                  |
| 78) Pyrene                    | 12.774 | 202  | 1029665  | 37.834 | ng    | 98       |                                  |
| 80) Butylbenzylphthalate      | 13.398 | 149  | 402018   | 41.496 | ng    | 98       |                                  |
| 81) Benzo(a)anthracene        | 13.968 | 228  | 712049   | 36.786 | ng    | 99       |                                  |
| 82) 3,3'-Dichlorobenzidine    | 13.933 | 252  | 236366   | 43.552 | ng    | 98       |                                  |
| 83) Chrysene                  | 14.004 | 228  | 680365   | 35.725 | ng    | 99       |                                  |
| 84) Bis(2-ethylhexyl)phtha... | 13.957 | 149  | 513064   | 43.199 | ng    | 99       |                                  |
| 85) Di-n-octyl phthalate      | 14.574 | 149  | 758989   | 43.264 | ng    | 99       |                                  |
| 87) Indeno(1,2,3-cd)pyrene    | 16.974 | 276  | 719677   | 39.951 | ng    | 99       |                                  |
| 88) Benzo(b)fluoranthene      | 15.021 | 252  | 604553   | 34.100 | ng    | 99       |                                  |
| 89) Benzo(k)fluoranthene      | 15.051 | 252  | 537491   | 32.170 | ng    | 98       |                                  |
| 90) Benzo(a)pyrene            | 15.398 | 252  | 557989   | 38.111 | ng    | 99       |                                  |
| 91) Dibenzo(a,h)anthracene    | 16.998 | 278  | 599571   | 40.628 | ng    | 98       |                                  |
| 92) Benzo(g,h,i)perylene      | 17.439 | 276  | 606201   | 40.021 | ng    | 98       |                                  |

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

## Manual Integrations

Quant Time: Dec 19 00:59:45 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF120523.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Dec 19 00:56:37 2023  
Response via : Initial Calibration

