

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF080323\  
 Data File : BF134600.D  
 Acq On : 03 Aug 2023 08:44  
 Operator : CG\JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDCCC040

Quant Time: Aug 04 01:04:05 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF080123.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Aug 02 02:20:34 2023  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/04/2023  
 Supervised By :mohammad ahmed 08/04/2023

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.798  | 152  | 210997   | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.075  | 136  | 807674   | 20.000 | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 9.833  | 164  | 405104   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.322 | 188  | 755568   | 20.000 | ng    | # 0.00   |
| 76) Chrysene-d12              | 13.968 | 240  | 508804   | 20.000 | ng    | # 0.00   |
| 86) Perylene-d12              | 15.427 | 264  | 456804   | 20.000 | ng    | 0.01     |
|                               |        |      |          |        |       |          |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.422  | 112  | 1036773  | 74.693 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.434  | 99   | 1337153  | 75.360 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.363  | 82   | 1099395  | 85.064 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.622 | 330  | 357495   | 86.568 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.157  | 172  | 1818865  | 74.653 | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.916 | 244  | 2084786  | 72.232 | ng    | 0.00     |
|                               |        |      |          |        |       |          |
| Target Compounds              |        |      |          |        |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.563  | 88   | 240659   | 37.683 | ng    | 95       |
| 3) Pyridine                   | 3.310  | 79   | 668941   | 38.655 | ng    | 91       |
| 4) n-Nitrosodimethylamine     | 3.281  | 42   | 309719   | 37.457 | ng    | # 67     |
| 6) Aniline                    | 6.463  | 93   | 875645   | 37.625 | ng    | 92       |
| 8) 2-Chlorophenol             | 6.587  | 128  | 536006   | 38.281 | ng    | 92       |
| 9) Benzaldehyde               | 6.351  | 77   | 324717   | 37.009 | ng    | 97       |
| 10) Phenol                    | 6.445  | 94   | 663521m  | 37.947 | ng    |          |
| 11) bis(2-Chloroethyl)ether   | 6.539  | 93   | 518444   | 37.324 | ng    | 95       |
| 12) 1,3-Dichlorobenzene       | 6.739  | 146  | 542280   | 37.432 | ng    | 95       |
| 13) 1,4-Dichlorobenzene       | 6.816  | 146  | 551223   | 37.965 | ng    | 98       |
| 14) 1,2-Dichlorobenzene       | 6.969  | 146  | 509614   | 37.671 | ng    | 96       |
| 15) Benzyl Alcohol            | 6.939  | 79   | 462202   | 37.759 | ng    | 94       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.075  | 45   | 791769   | 36.384 | ng    | 88       |
| 17) 2-Methylphenol            | 7.051  | 107  | 468644   | 37.876 | ng    | 92       |
| 18) Hexachloroethane          | 7.310  | 117  | 200323   | 39.312 | ng    | 93       |
| 19) n-Nitroso-di-n-propyla... | 7.216  | 70   | 376185   | 35.411 | ng    | 92       |
| 20) 3+4-Methylphenols         | 7.204  | 107  | 559123   | 37.470 | ng    | # 78     |
| 22) Acetophenone              | 7.210  | 105  | 669361   | 35.899 | ng    | # 86     |
| 24) Nitrobenzene              | 7.381  | 77   | 569453   | 40.784 | ng    | 96       |
| 25) Isophorone                | 7.622  | 82   | 1036436  | 36.767 | ng    | 99       |
| 26) 2-Nitrophenol             | 7.692  | 139  | 271733   | 45.961 | ng    | # 92     |
| 27) 2,4-Dimethylphenol        | 7.734  | 122  | 470144   | 37.379 | ng    | 85       |
| 28) bis(2-Chloroethoxy)met... | 7.834  | 93   | 620935   | 36.823 | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 7.934  | 162  | 443146   | 38.819 | ng    | 98       |
| 30) 1,2,4-Trichlorobenzene    | 8.016  | 180  | 459106   | 37.714 | ng    | 97       |
| 31) Naphthalene               | 8.098  | 128  | 1511167  | 37.228 | ng    | 98       |
| 32) Benzoic acid              | 7.851  | 122  | 355829m  | 44.128 | ng    |          |
| 33) 4-Chloroaniline           | 8.151  | 127  | 667645   | 36.914 | ng    | 95       |
| 34) Hexachlorobutadiene       | 8.216  | 225  | 266700   | 37.982 | ng    | 96       |
| 35) Caprolactam               | 8.522  | 113  | 148009   | 40.187 | ng    | 99       |
| 36) 4-Chloro-3-methylphenol   | 8.628  | 107  | 466700   | 38.603 | ng    | 93       |
| 37) 2-Methylnaphthalene       | 8.792  | 142  | 992652   | 36.893 | ng    | 100      |
| 38) 1-Methylnaphthalene       | 8.886  | 142  | 941367   | 37.625 | ng    | 98       |
| 40) 1,2,4,5-Tetrachloroben... | 8.951  | 216  | 450344   | 38.229 | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 8.939  | 237  | 230005   | 40.151 | ng    | 93       |
| 43) 2,4,6-Trichlorophenol     | 9.063  | 196  | 310541   | 40.280 | ng    | 96       |

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|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.104  | 196  | 355989   | 40.401 | ng    | 93       |
| 46) 1,1'-Biphenyl             | 9.257  | 154  | 1178842  | 37.421 | ng    | 98       |
| 47) 2-Chloronaphthalene       | 9.280  | 162  | 883635   | 37.435 | ng    | 97       |
| 48) 2-Nitroaniline            | 9.375  | 65   | 304766   | 41.848 | ng    | 91       |
| 49) Acenaphthylene            | 9.692  | 152  | 1410584  | 38.017 | ng    | 99       |
| 50) Dimethylphthalate         | 9.563  | 163  | 1045353  | 37.860 | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 9.622  | 165  | 239878   | 42.693 | ng    | # 77     |
| 52) Acenaphthene              | 9.869  | 154  | 934076   | 38.847 | ng    | 99       |
| 53) 3-Nitroaniline            | 9.786  | 138  | 280881   | 45.641 | ng    | 92       |
| 54) 2,4-Dinitrophenol         | 9.892  | 184  | 109649   | 56.519 | ng    | # 80     |
| 55) Dibenzofuran              | 10.039 | 168  | 1286306  | 37.579 | ng    | 95       |
| 56) 4-Nitrophenol             | 9.939  | 139  | 219807   | 43.670 | ng    | # 81     |
| 57) 2,4-Dinitrotoluene        | 10.022 | 165  | 305718   | 44.935 | ng    | # 87     |
| 58) Fluorene                  | 10.380 | 166  | 925728   | 37.130 | ng    | 96       |
| 59) 2,3,4,6-Tetrachlorophenol | 10.157 | 232  | 285749   | 40.991 | ng    | 96       |
| 60) Diethylphthalate          | 10.263 | 149  | 987595   | 37.736 | ng    | 96       |
| 61) 4-Chlorophenyl-phenyle... | 10.375 | 204  | 449740   | 36.699 | ng    | 96       |
| 62) 4-Nitroaniline            | 10.404 | 138  | 280421   | 46.489 | ng    | 85       |
| 63) Azobenzene                | 10.539 | 77   | 1031040  | 36.668 | ng    | 97       |
| 65) 4,6-Dinitro-2-methylph... | 10.427 | 198  | 157945   | 51.046 | ng    | 91       |
| 66) n-Nitrosodiphenylamine    | 10.498 | 169  | 877495   | 36.488 | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 10.869 | 248  | 313618   | 37.917 | ng    | 93       |
| 68) Hexachlorobenzene         | 10.927 | 284  | 334168   | 38.260 | ng    | 95       |
| 69) Atrazine                  | 11.027 | 200  | 253584   | 39.121 | ng    | 98       |
| 70) Pentachlorophenol         | 11.122 | 266  | 234820   | 43.422 | ng    | 96       |
| 71) Phenanthrene              | 11.345 | 178  | 1465475  | 36.516 | ng    | 100      |
| 72) Anthracene                | 11.398 | 178  | 1506293  | 36.745 | ng    | 99       |
| 73) Carbazole                 | 11.551 | 167  | 1353201  | 36.971 | ng    | 99       |
| 74) Di-n-butylphthalate       | 11.892 | 149  | 1455719  | 37.436 | ng    | 99       |
| 75) Fluoranthene              | 12.533 | 202  | 1578737  | 37.241 | ng    | 96       |
| 77) Benzidine                 | 12.657 | 184  | 421729   | 38.183 | ng    | 99       |
| 78) Pyrene                    | 12.763 | 202  | 1633365  | 37.099 | ng    | 97       |
| 80) Butylbenzylphthalate      | 13.392 | 149  | 606642   | 40.748 | ng    | 91       |
| 81) Benzo(a)anthracene        | 13.957 | 228  | 1328272  | 36.509 | ng    | 100      |
| 82) 3,3'-Dichlorobenzidine    | 13.921 | 252  | 421467   | 39.965 | ng    | # 96     |
| 83) Chrysene                  | 13.998 | 228  | 1315126  | 37.103 | ng    | 100      |
| 84) Bis(2-ethylhexyl)phtha... | 13.963 | 149  | 641749   | 36.630 | ng    | 98       |
| 85) Di-n-octyl phthalate      | 14.574 | 149  | 1080913  | 40.571 | ng    | 98       |
| 87) Indeno(1,2,3-cd)pyrene    | 16.909 | 276  | 1066434  | 39.695 | ng    | # 92     |
| 88) Benzo(b)fluoranthene      | 15.004 | 252  | 1081619  | 38.823 | ng    | # 98     |
| 89) Benzo(k)fluoranthene      | 15.033 | 252  | 1064444  | 38.354 | ng    | # 98     |
| 90) Benzo(a)pyrene            | 15.368 | 252  | 998739   | 38.448 | ng    | # 96     |
| 91) Dibenzo(a,h)anthracene    | 16.933 | 278  | 871008   | 40.117 | ng    | # 95     |
| 92) Benzo(g,h,i)perylene      | 17.356 | 276  | 895040   | 40.413 | ng    | # 92     |

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

