

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF080323\  
 Data File : BF134605.D  
 Acq On : 03 Aug 2023 11:59  
 Operator : CG\JU  
 Sample : 03686-02MS  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-21-16-18-20230719MS

Quant Time: Aug 04 01:05:50 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  | 193368   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.075  | 136  | 736561   | 20.000  | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 9.828  | 164  | 318856   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.316 | 188  | 510193   | 20.000  | ng    | # 0.00   |
| 76) Chrysene-d12              | 13.963 | 240  | 305137   | 20.000  | ng    | # 0.00   |
| 86) Perylene-d12              | 15.421 | 264  | 262776   | 20.000  | ng    | 0.00     |
|                               |        |      |          |         |       |          |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.434  | 112  | 1488822  | 117.039 | ng    | 0.02     |
| 7) Phenol-d6                  | 6.434  | 99   | 1910893  | 117.514 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.363  | 82   | 1153988  | 97.909  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.622 | 330  | 398375   | 122.561 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.157  | 172  | 1843163  | 96.113  | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.910 | 244  | 1805716  | 104.321 | ng    | 0.00     |
|                               |        |      |          |         |       |          |
| Target Compounds              |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.610  | 88   | 215262   | 36.780  | ng    | 96       |
| 3) Pyridine                   | 3.363  | 79   | 559787   | 35.296  | ng    | 90       |
| 4) n-Nitrosodimethylamine     | 3.322  | 42   | 323213   | 42.652  | ng    | # 61     |
| 6) Aniline                    | 6.463  | 93   | 644104   | 30.199  | ng    | 91       |
| 8) 2-Chlorophenol             | 6.581  | 128  | 608804   | 47.444  | ng    | 96       |
| 9) Benzaldehyde               | 6.351  | 77   | 331145   | 43.962  | ng    | 96       |
| 10) Phenol                    | 6.451  | 94   | 726431m  | 45.332  | ng    |          |
| 11) bis(2-Chloroethyl)ether   | 6.540  | 93   | 572644   | 44.985  | ng    | 94       |
| 12) 1,3-Dichlorobenzene       | 6.740  | 146  | 609026   | 45.872  | ng    | 94       |
| 13) 1,4-Dichlorobenzene       | 6.816  | 146  | 615620   | 46.266  | ng    | 97       |
| 14) 1,2-Dichlorobenzene       | 6.963  | 146  | 590134   | 47.600  | ng    | 97       |
| 15) Benzyl Alcohol            | 6.940  | 79   | 516021   | 45.999  | ng    | 94       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.075  | 45   | 894891   | 44.872  | ng    | 89       |
| 17) 2-Methylphenol            | 7.051  | 107  | 481851   | 42.494  | ng    | 92       |
| 18) Hexachloroethane          | 7.304  | 117  | 203536   | 43.584  | ng    | 96       |
| 19) n-Nitroso-di-n-propyla... | 7.216  | 70   | 401761   | 41.266  | ng    | 91       |
| 20) 3+4-Methylphenols         | 7.204  | 107  | 554283   | 40.532  | ng    | # 82     |
| 22) Acetophenone              | 7.210  | 105  | 736813   | 43.331  | ng    | # 85     |
| 24) Nitrobenzene              | 7.381  | 77   | 597851   | 46.952  | ng    | 94       |
| 25) Isophorone                | 7.616  | 82   | 1115427  | 43.390  | ng    | 99       |
| 26) 2-Nitrophenol             | 7.693  | 139  | 274804   | 50.446  | ng    | # 88     |
| 27) 2,4-Dimethylphenol        | 7.734  | 122  | 521345   | 45.451  | ng    | 85       |
| 28) bis(2-Chloroethoxy)met... | 7.828  | 93   | 702714   | 45.696  | ng    | 98       |
| 29) 2,4-Dichlorophenol        | 7.934  | 162  | 462971   | 44.471  | ng    | 98       |
| 30) 1,2,4-Trichlorobenzene    | 8.016  | 180  | 506729   | 45.645  | ng    | 98       |
| 31) Naphthalene               | 8.098  | 128  | 1578700  | 42.647  | ng    | 99       |
| 32) Benzoic acid              | 7.851  | 122  | 316398   | 43.222  | ng    | 93       |
| 33) 4-Chloroaniline           | 8.145  | 127  | 267060   | 16.191  | ng    | 97       |
| 34) Hexachlorobutadiene       | 8.216  | 225  | 292422   | 45.665  | ng    | 98       |
| 35) Caprolactam               | 8.516  | 113  | 146732m  | 43.686  | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 8.628  | 107  | 460438   | 41.762  | ng    | 94       |
| 37) 2-Methylnaphthalene       | 8.787  | 142  | 989375   | 40.322  | ng    | 98       |
| 38) 1-Methylnaphthalene       | 8.887  | 142  | 908882   | 39.834  | ng    | 99       |
| 40) 1,2,4,5-Tetrachloroben... | 8.951  | 216  | 457467   | 49.338  | ng    | 98       |
| 41) Hexachlorocyclopentadiene | 8.939  | 237  | 207809   | 46.089  | ng    | 92       |
| 43) 2,4,6-Trichlorophenol     | 9.063  | 196  | 297759   | 49.069  | ng    | 98       |

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| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.104  | 196  | 305133   | 43.996 | ng    | 93       |
| 46) 1,1'-Biphenyl             | 9.257  | 154  | 1158068  | 46.705 | ng    | 99       |
| 47) 2-Chloronaphthalene       | 9.275  | 162  | 759228   | 40.865 | ng    | 99       |
| 48) 2-Nitroaniline            | 9.375  | 65   | 274959   | 47.505 | ng    | 88       |
| 49) Acenaphthylene            | 9.692  | 152  | 1279268  | 43.804 | ng    | 100      |
| 50) Dimethylphthalate         | 9.557  | 163  | 1071635  | 49.311 | ng    | 98       |
| 51) 2,6-Dinitrotoluene        | 9.616  | 165  | 219320   | 49.190 | ng    | 87       |
| 52) Acenaphthene              | 9.863  | 154  | 831187   | 43.918 | ng    | 99       |
| 53) 3-Nitroaniline            | 9.787  | 138  | 193808   | 40.011 | ng    | 97       |
| 54) 2,4-Dinitrophenol         | 9.886  | 184  | 65098    | 46.254 | ng    | 87       |
| 55) Dibenzofuran              | 10.039 | 168  | 1124515  | 41.739 | ng    | 93       |
| 56) 4-Nitrophenol             | 9.945  | 139  | 363716   | 91.808 | ng    | # 76     |
| 57) 2,4-Dinitrotoluene        | 10.022 | 165  | 254953   | 47.440 | ng    | # 84     |
| 58) Fluorene                  | 10.381 | 166  | 793669   | 40.444 | ng    | 95       |
| 59) 2,3,4,6-Tetrachlorophenol | 10.151 | 232  | 245443   | 44.733 | ng    | 97       |
| 60) Diethylphthalate          | 10.263 | 149  | 945852   | 45.917 | ng    | 96       |
| 61) 4-Chlorophenyl-phenyle... | 10.375 | 204  | 411606   | 42.672 | ng    | 93       |
| 62) 4-Nitroaniline            | 10.398 | 138  | 192186   | 40.479 | ng    | 86       |
| 63) Azobenzene                | 10.534 | 77   | 887784   | 40.113 | ng    | 97       |
| 65) 4,6-Dinitro-2-methylph... | 10.422 | 198  | 51568    | 29.174 | ng    | 93       |
| 66) n-Nitrosodiphenylamine    | 10.492 | 169  | 766252   | 47.186 | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 10.863 | 248  | 266096   | 47.645 | ng    | 99       |
| 68) Hexachlorobenzene         | 10.928 | 284  | 286979   | 48.660 | ng    | # 90     |
| 69) Atrazine                  | 11.028 | 200  | 257392   | 58.806 | ng    | 99       |
| 70) Pentachlorophenol         | 11.122 | 266  | 319216   | 87.417 | ng    | 96       |
| 71) Phenanthrene              | 11.345 | 178  | 1203896  | 44.425 | ng    | 99       |
| 72) Anthracene                | 11.392 | 178  | 1217282  | 43.976 | ng    | 98       |
| 73) Carbazole                 | 11.551 | 167  | 1102227  | 44.597 | ng    | 99       |
| 74) Di-n-butylphthalate       | 11.892 | 149  | 1269171  | 48.336 | ng    | 99       |
| 75) Fluoranthene              | 12.533 | 202  | 1243577  | 43.443 | ng    | 97       |
| 77) Benzidine                 | 12.663 | 184  | 619792   | 93.569 | ng    | 98       |
| 78) Pyrene                    | 12.763 | 202  | 1279305  | 48.451 | ng    | 97       |
| 80) Butylbenzylphthalate      | 13.392 | 149  | 521209   | 58.377 | ng    | # 95     |
| 81) Benzo(a)anthracene        | 13.951 | 228  | 976259   | 44.744 | ng    | 100      |
| 82) 3,3'-Dichlorobenzidine    | 13.922 | 252  | 353417   | 55.881 | ng    | 99       |
| 83) Chrysene                  | 13.992 | 228  | 919878   | 43.274 | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 13.957 | 149  | 635050   | 60.441 | ng    | 99       |
| 85) Di-n-octyl phthalate      | 14.574 | 149  | 1083420  | 67.807 | ng    | 98       |
| 87) Indeno(1,2,3-cd)pyrene    | 16.898 | 276  | 709004   | 45.877 | ng    | # 93     |
| 88) Benzo(b)fluoranthene      | 14.998 | 252  | 752085   | 46.928 | ng    | # 98     |
| 89) Benzo(k)fluoranthene      | 15.027 | 252  | 756319   | 47.374 | ng    | # 98     |
| 90) Benzo(a)pyrene            | 15.363 | 252  | 635415   | 42.523 | ng    | # 97     |
| 91) Dibenzo(a,h)anthracene    | 16.921 | 278  | 589809   | 47.224 | ng    | # 95     |
| 92) Benzo(g,h,i)perylene      | 17.345 | 276  | 544689   | 42.753 | ng    | # 93     |

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

