

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF012023\  
 Data File : BF132161.D  
 Acq On : 20 Jan 2023 15:02  
 Operator : CG\JU  
 Sample : N3980-08  
 Misc : LOQ-WATER-5ppm  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 LOQ-WATER-02-QT3-2022

Quant Time: Jan 21 02:33:45 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF011923.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Jan 21 02:30:07 2023  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By : Christian Giraldo 01/23/2023  
 Supervised By : Jagrut Upadhyay 01/23/2023

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.089  | 152  | 186856   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.378  | 136  | 659365   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 10.142 | 164  | 358281   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.642 | 188  | 719050   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 14.301 | 240  | 502875   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 15.901 | 264  | 374507   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.707  | 112  | 1038479  | 97.085  | ng    | 0.00     |
| 7) Phenol-d6                  | 6.701  | 99   | 1340495  | 99.554  | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.654  | 82   | 849900   | 68.474  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.936 | 330  | 417117   | 108.994 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.454  | 172  | 1493409  | 60.908  | ng    | 0.00     |
| 79) Terphenyl-d14             | 13.236 | 244  | 1762665  | 58.715  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.025  | 88   | 24977    | 4.609   | ng    | 98       |
| 3) Pyridine                   | 3.813  | 79   | 64674m   | 4.446   | ng    |          |
| 4) n-Nitrosodimethylamine     | 3.725  | 42   | 32324    | 4.725   | ng    | # 93     |
| 6) Aniline                    | 6.754  | 93   | 95633    | 5.128   | ng    | 95       |
| 8) 2-Chlorophenol             | 6.872  | 128  | 63963    | 5.689   | ng    | 95       |
| 9) Benzaldehyde               | 6.642  | 77   | 52866    | 6.103   | ng    | 99       |
| 10) Phenol                    | 6.713  | 94   | 76950    | 5.490   | ng    | 94       |
| 11) bis(2-Chloroethyl)ether   | 6.819  | 93   | 65878    | 5.552   | ng    | 96       |
| 12) 1,3-Dichlorobenzene       | 7.031  | 146  | 73587    | 5.855   | ng    | 96       |
| 13) 1,4-Dichlorobenzene       | 7.107  | 146  | 74336    | 5.927   | ng    | 97       |
| 14) 1,2-Dichlorobenzene       | 7.260  | 146  | 68980    | 5.948   | ng    | 98       |
| 15) Benzyl Alcohol            | 7.219  | 79   | 44977    | 4.367   | ng    | 93       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.360  | 45   | 96994    | 5.624   | ng    | 99       |
| 17) 2-Methylphenol            | 7.319  | 107  | 48916    | 4.966   | ng    | 96       |
| 18) Hexachloroethane          | 7.607  | 117  | 25317    | 5.624   | ng    | 95       |
| 19) n-Nitroso-di-n-propyla... | 7.484  | 70   | 46636    | 5.654   | ng    | 98       |
| 20) 3+4-Methylphenols         | 7.472  | 107  | 63464    | 5.113   | ng    | 95       |
| 22) Acetophenone              | 7.489  | 105  | 88376    | 5.576   | ng    | 99       |
| 24) Nitrobenzene              | 7.666  | 77   | 72122    | 5.488   | ng    | 99       |
| 25) Isophorone                | 7.901  | 82   | 124439   | 5.124   | ng    | 98       |
| 26) 2-Nitrophenol             | 7.984  | 139  | 24411    | 5.839   | ng    | 98       |
| 27) 2,4-Dimethylphenol        | 8.007  | 122  | 43638    | 4.153   | ng    | 98       |
| 28) bis(2-Chloroethoxy)met... | 8.113  | 93   | 77760    | 5.337   | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 8.219  | 162  | 53122    | 5.325   | ng    | 97       |
| 30) 1,2,4-Trichlorobenzene    | 8.313  | 180  | 63179    | 5.575   | ng    | 96       |
| 31) Naphthalene               | 8.401  | 128  | 193128   | 5.703   | ng    | 98       |
| 32) Benzoic acid              | 8.048  | 122  | 17142    | 2.786   | ng    | 98       |
| 33) 4-Chloroaniline           | 8.436  | 127  | 76538    | 5.282   | ng    | 100      |
| 34) Hexachlorobutadiene       | 8.513  | 225  | 42503    | 5.583   | ng    | 96       |
| 35) Caprolactam               | 8.766  | 113  | 13595    | 4.805   | ng    | 91       |
| 36) 4-Chloro-3-methylphenol   | 8.901  | 107  | 51969    | 5.176   | ng    | 98       |
| 37) 2-Methylnaphthalene       | 9.089  | 142  | 128560   | 5.514   | ng    | 99       |
| 38) 1-Methylnaphthalene       | 9.189  | 142  | 122881   | 5.664   | ng    | 100      |
| 40) 1,2,4,5-Tetrachloroben... | 9.254  | 216  | 65565    | 5.260   | ng    | 98       |
| 41) Hexachlorocyclopentadiene | 9.242  | 237  | 28099    | 4.131   | ng    | 96       |
| 43) 2,4,6-Trichlorophenol     | 9.360  | 196  | 37659    | 4.868   | ng    | 97       |

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### Manual Integrations APPROVED

Reviewed By :Christian Giraldo 01/23/2023  
 Supervised By :Jagrut Upadhyay 01/23/2023

| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.395  | 196  | 44106    | 4.875 | ng    | 100      |
| 46) 1,1'-Biphenyl             | 9.554  | 154  | 155631   | 5.506 | ng    | 99       |
| 47) 2-Chloronaphthalene       | 9.583  | 162  | 126658   | 5.797 | ng    | 99       |
| 48) 2-Nitroaniline            | 9.672  | 65   | 30029    | 4.773 | ng    | 98       |
| 49) Acenaphthylene            | 10.001 | 152  | 189627   | 5.425 | ng    | 99       |
| 50) Dimethylphthalate         | 9.842  | 163  | 142161   | 5.479 | ng    | 100      |
| 51) 2,6-Dinitrotoluene        | 9.907  | 165  | 26997    | 5.368 | ng    | 94       |
| 52) Acenaphthene              | 10.177 | 154  | 116624   | 5.547 | ng    | 97       |
| 53) 3-Nitroaniline            | 10.077 | 138  | 27850    | 5.179 | ng    | 97       |
| 54) 2,4-Dinitrophenol         | 10.183 | 184  | 6935     | 3.576 | ng    | # 1      |
| 55) Dibenzofuran              | 10.348 | 168  | 184975   | 5.693 | ng    | 96       |
| 56) 4-Nitrophenol             | 10.219 | 139  | 17786    | 4.545 | ng    | 100      |
| 57) 2,4-Dinitrotoluene        | 10.313 | 165  | 29744    | 4.927 | ng    | 96       |
| 58) Fluorene                  | 10.695 | 166  | 143921   | 5.978 | ng    | 97       |
| 59) 2,3,4,6-Tetrachlorophenol | 10.460 | 232  | 36189    | 5.258 | ng    | # 98     |
| 60) Diethylphthalate          | 10.548 | 149  | 138629   | 5.448 | ng    | 97       |
| 61) 4-Chlorophenyl-phenyle... | 10.683 | 204  | 72372    | 5.614 | ng    | 95       |
| 62) 4-Nitroaniline            | 10.689 | 138  | 24963    | 4.986 | ng    | 97       |
| 63) Azobenzene                | 10.842 | 77   | 137410   | 5.380 | ng    | 97       |
| 65) 4,6-Dinitro-2-methylph... | 10.719 | 198  | 11139    | 3.573 | ng    | 88       |
| 66) n-Nitrosodiphenylamine    | 10.795 | 169  | 119055   | 5.170 | ng    | 98       |
| 67) 4-Bromophenyl-phenylether | 11.177 | 248  | 44165    | 5.039 | ng    | 91       |
| 68) Hexachlorobenzene         | 11.242 | 284  | 48536    | 5.572 | ng    | 97       |
| 69) Atrazine                  | 11.319 | 200  | 36338    | 5.114 | ng    | 95       |
| 70) Pentachlorophenol         | 11.436 | 266  | 21401    | 3.823 | ng    | 99       |
| 71) Phenanthrene              | 11.666 | 178  | 213454   | 5.657 | ng    | 98       |
| 72) Anthracene                | 11.719 | 178  | 208856   | 5.471 | ng    | 98       |
| 73) Carbazole                 | 11.866 | 167  | 184691   | 5.664 | ng    | 98       |
| 74) Di-n-butylphthalate       | 12.195 | 149  | 194608   | 5.361 | ng    | 98       |
| 75) Fluoranthene              | 12.866 | 202  | 221924   | 5.725 | ng    | 100      |
| 77) Benzidine                 | 12.983 | 184  | 68074    | 4.509 | ng    | 97       |
| 78) Pyrene                    | 13.095 | 202  | 231223   | 4.989 | ng    | 99       |
| 80) Butylbenzylphthalate      | 13.707 | 149  | 61891    | 4.608 | ng    | 95       |
| 81) Benzo(a)anthracene        | 14.295 | 228  | 182065   | 5.068 | ng    | 98       |
| 82) 3,3'-Dichlorobenzidine    | 14.248 | 252  | 40334    | 4.031 | ng    | # 98     |
| 83) Chrysene                  | 14.330 | 228  | 174683   | 5.108 | ng    | 98       |
| 84) Bis(2-ethylhexyl)phtha... | 14.265 | 149  | 80175    | 4.521 | ng    | 99       |
| 85) Di-n-octyl phthalate      | 14.907 | 149  | 85922    | 8.493 | ng    | 98       |
| 87) Indeno(1,2,3-cd)pyrene    | 17.559 | 276  | 109568   | 4.032 | ng    | 99       |
| 88) Benzo(b)fluoranthene      | 15.418 | 252  | 122688   | 5.381 | ng    | 98       |
| 89) Benzo(k)fluoranthene      | 15.448 | 252  | 132844   | 5.712 | ng    | 97       |
| 90) Benzo(a)pyrene            | 15.830 | 252  | 98668    | 4.498 | ng    | 97       |
| 91) Dibenzo(a,h)anthracene    | 17.583 | 278  | 95169    | 4.294 | ng    | 97       |
| 92) Benzo(g,h,i)perylene      | 18.065 | 276  | 99970    | 4.286 | ng    | 98       |

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

