

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM092024\  
 Data File : BM047594.D  
 Acq On : 20 Sep 2024 18:20  
 Operator : RC/JU  
 Sample : P2403-09  
 Misc : MDL-MDL-WATER 8 ppm  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 MDL-WATER-03-QT2-2024

Quant Time: Sep 21 03:26:37 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM092024.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Sep 21 02:22:39 2024  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 09/23/2024  
 Supervised By :mohammad ahmed 09/24/2024

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.845  | 152  | 288688   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.639 | 136  | 1207532  | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 14.474 | 164  | 647684   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.209 | 188  | 1196884  | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 21.433 | 240  | 1040049  | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 24.456 | 264  | 1116061  | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.416  | 112  | 2195077  | 116.522 | ng    | 0.00     |
| 7) Phenol-d6                  | 7.004  | 99   | 2856939  | 115.097 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 8.998  | 82   | 1868510  | 77.029  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 15.957 | 330  | 643775   | 107.343 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.098 | 172  | 3464250  | 75.682  | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.827 | 244  | 4128979  | 71.232  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.316  | 88   | 62154    | 7.578   | ng    | 98       |
| 3) Pyridine                   | 3.716  | 79   | 147016   | 6.466   | ng    | 98       |
| 4) n-Nitrosodimethylamine     | 3.622  | 42   | 67615    | 7.172   | ng    | # 99     |
| 6) Aniline                    | 7.169  | 93   | 183210   | 8.616   | ng    | 100      |
| 8) 2-Chlorophenol             | 7.410  | 128  | 144262   | 7.315   | ng    | 98       |
| 9) Benzaldehyde               | 6.981  | 77   | 134879m  | 10.648  | ng    |          |
| 10) Phenol                    | 7.028  | 94   | 181085   | 7.347   | ng    | 94       |
| 11) bis(2-Chloroethyl)ether   | 7.263  | 93   | 143081   | 7.223   | ng    | 97       |
| 12) 1,3-Dichlorobenzene       | 7.734  | 146  | 153192   | 7.024   | ng    | 98       |
| 13) 1,4-Dichlorobenzene       | 7.881  | 146  | 154800   | 7.015   | ng    | 97       |
| 14) 1,2-Dichlorobenzene       | 8.198  | 146  | 148506   | 6.981   | ng    | 95       |
| 15) Benzyl Alcohol            | 8.075  | 79   | 110140   | 6.877   | ng    | 97       |
| 16) 2,2'-oxybis(1-Chloropr... | 8.363  | 45   | 197773   | 7.832   | ng    | 100      |
| 17) 2-Methylphenol            | 8.281  | 107  | 103517   | 6.683   | ng    | 97       |
| 18) Hexachloroethane          | 8.928  | 117  | 63629    | 7.110   | ng    | 93       |
| 19) n-Nitroso-di-n-propyla... | 8.645  | 70   | 103931   | 6.836   | ng    | 98       |
| 20) 3+4-Methylphenols         | 8.604  | 107  | 141447   | 6.704   | ng    | 98       |
| 22) Acetophenone              | 8.663  | 105  | 213552   | 6.788   | ng    | # 98     |
| 24) Nitrobenzene              | 9.039  | 77   | 169758   | 6.776   | ng    | 99       |
| 25) Isophorone                | 9.569  | 82   | 260880   | 6.435   | ng    | 97       |
| 26) 2-Nitrophenol             | 9.751  | 139  | 47083    | 5.345   | ng    | 97       |
| 27) 2,4-Dimethylphenol        | 9.810  | 122  | 85201    | 6.785   | ng    | 98       |
| 28) bis(2-Chloroethoxy)met... | 10.045 | 93   | 172646   | 6.620   | ng    | 100      |
| 29) 2,4-Dichlorophenol        | 10.281 | 162  | 96395    | 6.073   | ng    | 99       |
| 30) 1,2,4-Trichlorobenzene    | 10.498 | 180  | 115922   | 6.407   | ng    | 97       |
| 31) Naphthalene               | 10.692 | 128  | 411172   | 6.436   | ng    | 100      |
| 32) Benzoic acid              | 9.869  | 122  | 47461m   | 4.055   | ng    |          |
| 33) 4-Chloroaniline           | 10.792 | 127  | 154465   | 6.858   | ng    | 99       |
| 34) Hexachlorobutadiene       | 10.986 | 225  | 60575    | 6.152   | ng    | 96       |
| 35) Caprolactam               | 11.545 | 113  | 28418m   | 5.179   | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 11.910 | 107  | 102863   | 5.680   | ng    | 99       |
| 37) 2-Methylnaphthalene       | 12.298 | 142  | 246809   | 6.149   | ng    | 98       |
| 38) 1-Methylnaphthalene       | 12.516 | 142  | 232913m  | 5.850   | ng    |          |
| 40) 1,2,4,5-Tetrachloroben... | 12.669 | 216  | 110587   | 6.470   | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 12.657 | 237  | 41629    | 7.377   | ng    | 94       |
| 43) 2,4,6-Trichlorophenol     | 12.904 | 196  | 62298    | 5.608   | ng    | 100      |

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|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 12.974 | 196  | 69329    | 5.553  | ng    | 98       |
| 46) 1,1'-Biphenyl             | 13.310 | 154  | 332151   | 6.640  | ng    | 98       |
| 47) 2-Chloronaphthalene       | 13.351 | 162  | 246067   | 6.287  | ng    | 99       |
| 48) 2-Nitroaniline            | 13.545 | 65   | 61178    | 5.234  | ng    | 96       |
| 49) Acenaphthylene            | 14.192 | 152  | 374959   | 6.657  | ng    | 98       |
| 50) Dimethylphthalate         | 13.927 | 163  | 275447   | 6.159  | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 14.039 | 165  | 49534    | 5.287  | ng    | 94       |
| 52) Acenaphthene              | 14.539 | 154  | 225235m  | 6.053  | ng    |          |
| 53) 3-Nitroaniline            | 14.363 | 138  | 58035    | 5.401  | ng    | # 90     |
| 54) 2,4-Dinitrophenol         | 14.568 | 184  | 15673    | 3.690  | ng    | 91       |
| 55) Dibenzofuran              | 14.868 | 168  | 347666   | 6.394  | ng    | 100      |
| 56) 4-Nitrophenol             | 14.668 | 139  | 46103    | 5.007  | ng    | 95       |
| 57) 2,4-Dinitrotoluene        | 14.821 | 165  | 60058    | 4.811  | ng    | 92       |
| 58) Fluorene                  | 15.515 | 166  | 275710   | 5.729  | ng    | 100      |
| 59) 2,3,4,6-Tetrachlorophenol | 15.092 | 232  | 53685    | 5.625  | ng    | 96       |
| 60) Diethylphthalate          | 15.292 | 149  | 281678   | 5.908  | ng    | 98       |
| 61) 4-Chlorophenyl-phenyle... | 15.515 | 204  | 119791   | 5.697  | ng    | 98       |
| 62) 4-Nitroaniline            | 15.521 | 138  | 58079    | 4.797  | ng    | 95       |
| 63) Azobenzene                | 15.804 | 77   | 318924   | 6.119  | ng    | 99       |
| 65) 4,6-Dinitro-2-methylph... | 15.586 | 198  | 23107    | 4.074  | ng    | 97       |
| 66) n-Nitrosodiphenylamine    | 15.721 | 169  | 219957   | 6.153  | ng    | 98       |
| 67) 4-Bromophenyl-phenylether | 16.404 | 248  | 65441    | 6.019  | ng    | 91       |
| 68) Hexachlorobenzene         | 16.521 | 284  | 76021    | 5.981  | ng    | 99       |
| 69) Atrazine                  | 16.668 | 200  | 60294    | 7.006  | ng    | 96       |
| 70) Pentachlorophenol         | 16.857 | 266  | 37693    | 4.725  | ng    | 98       |
| 71) Phenanthrene              | 17.251 | 178  | 406680   | 6.260  | ng    | 99       |
| 72) Anthracene                | 17.339 | 178  | 383150   | 6.225  | ng    | 99       |
| 73) Carbazole                 | 17.604 | 167  | 373087   | 5.817  | ng    | 99       |
| 74) Di-n-butylphthalate       | 18.180 | 149  | 412858   | 5.322  | ng    | 99       |
| 75) Fluoranthene              | 19.256 | 202  | 393476   | 5.502  | ng    | 97       |
| 77) Benzidine                 | 19.439 | 184  | 159459   | 11.258 | ng    | 97       |
| 78) Pyrene                    | 19.621 | 202  | 421075   | 5.784  | ng    | 99       |
| 80) Butylbenzylphthalate      | 20.515 | 149  | 160495   | 5.064  | ng    | 94       |
| 81) Benzo(a)anthracene        | 21.415 | 228  | 426985   | 6.244  | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 21.339 | 252  | 119026   | 5.604  | ng    | 96       |
| 83) Chrysene                  | 21.474 | 228  | 413883   | 6.364  | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 21.345 | 149  | 254146   | 5.014  | ng    | 98       |
| 85) Di-n-octyl phthalate      | 22.491 | 149  | 374380   | 4.786  | ng    | 98       |
| 87) Indeno(1,2,3-cd)pyrene    | 27.868 | 276  | 476917   | 6.214  | ng    | # 88     |
| 88) Benzo(b)fluoranthene      | 23.497 | 252  | 403381   | 5.751  | ng    | 97       |
| 89) Benzo(k)fluoranthene      | 23.562 | 252  | 409132   | 5.942  | ng    | 97       |
| 90) Benzo(a)pyrene            | 24.315 | 252  | 359390   | 6.043  | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 27.932 | 278  | 392317   | 6.120  | ng    | 99       |
| 92) Benzo(g,h,i)perylene      | 28.926 | 276  | 375201   | 5.840  | ng    | 99       |

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



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