

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM012323\  
 Data File : BM038510.D  
 Acq On : 23 Jan 2023 15:32  
 Operator : CG/JU  
 Sample : N4955-08  
 Misc : LOQ-WATER 5ppm  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 LOQ-WATER-02-QT4-2022

Manual Integrations  
 APPROVED

Reviewed By : Christian Giraldo 01/24/2023  
 Supervised By : Jagrut Upadhyay 01/24/2023

Quant Time: Jan 24 05:55:54 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM012023.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Jan 21 01:21:49 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.963  | 152  | 71014    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.775 | 136  | 234781   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 14.598 | 164  | 149236   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.345 | 188  | 341460   | 20.000  | ng    | # 0.00   |
| 76) Chrysene-d12              | 21.515 | 240  | 384208   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 23.933 | 264  | 474538   | 20.000  | ng    | 0.00     |
|                               |        |      |          |         |       |          |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.510  | 112  | 464643   | 108.164 | ng    | 0.00     |
| 7) Phenol-d6                  | 7.128  | 99   | 591770   | 107.971 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.139  | 82   | 379398   | 70.173  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.086 | 330  | 267527   | 124.487 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.227 | 172  | 875231   | 72.243  | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.956 | 244  | 1380137  | 70.030  | ng    | 0.00     |
|                               |        |      |          |         |       |          |
| Target Compounds              |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.369  | 88   | 8596     | 4.266   | ng    | 97       |
| 3) Pyridine                   | 3.804  | 79   | 19713m   | 3.725   | ng    |          |
| 4) n-Nitrosodimethylamine     | 3.704  | 42   | 12809    | 5.099   | ng    | # 96     |
| 6) Aniline                    | 7.292  | 93   | 33562    | 4.933   | ng    | 97       |
| 8) 2-Chlorophenol             | 7.522  | 128  | 24277    | 5.532   | ng    | 91       |
| 9) Benzaldehyde               | 7.110  | 77   | 20444m   | 6.289   | ng    |          |
| 10) Phenol                    | 7.151  | 94   | 30647    | 5.596   | ng    | 88       |
| 11) bis(2-Chloroethyl)ether   | 7.387  | 93   | 23243    | 5.379   | ng    | 96       |
| 12) 1,3-Dichlorobenzene       | 7.851  | 146  | 27633    | 5.539   | ng    | 98       |
| 13) 1,4-Dichlorobenzene       | 7.998  | 146  | 28074    | 5.569   | ng    | 99       |
| 14) 1,2-Dichlorobenzene       | 8.316  | 146  | 27496    | 5.631   | ng    | 98       |
| 15) Benzyl Alcohol            | 8.216  | 79   | 20425    | 4.984   | ng    | 98       |
| 16) 2,2'-oxybis(1-Chloropr... | 8.492  | 45   | 24449    | 5.388   | ng    | 98       |
| 17) 2-Methylphenol            | 8.410  | 107  | 17923    | 4.624   | ng    | 93       |
| 18) Hexachloroethane          | 9.039  | 117  | 9884     | 5.274   | ng    | 89       |
| 19) n-Nitroso-di-n-propyla... | 8.775  | 70   | 17914    | 4.634   | ng    | 99       |
| 20) 3+4-Methylphenols         | 8.739  | 107  | 23852    | 4.591   | ng    | 95       |
| 22) Acetophenone              | 8.798  | 105  | 29867    | 4.618   | ng    | # 93     |
| 24) Nitrobenzene              | 9.181  | 77   | 31953    | 5.841   | ng    | 97       |
| 25) Isophorone                | 9.704  | 82   | 46401    | 5.201   | ng    | 98       |
| 26) 2-Nitrophenol             | 9.892  | 139  | 10201    | 4.698   | ng    | 90       |
| 27) 2,4-Dimethylphenol        | 9.951  | 122  | 13091    | 3.622   | ng    | 96       |
| 28) bis(2-Chloroethoxy)met... | 10.186 | 93   | 27437    | 5.257   | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 10.428 | 162  | 21140    | 4.986   | ng    | 99       |
| 30) 1,2,4-Trichlorobenzene    | 10.633 | 180  | 26432    | 5.452   | ng    | 95       |
| 31) Naphthalene               | 10.827 | 128  | 67001    | 5.253   | ng    | 99       |
| 32) Benzoic acid              | 10.022 | 122  | 7125m    | 7.814   | ng    |          |
| 33) 4-Chloroaniline           | 10.945 | 127  | 25792    | 4.845   | ng    | 97       |
| 34) Hexachlorobutadiene       | 11.098 | 225  | 18330    | 5.747   | ng    | 99       |
| 35) Caprolactam               | 11.727 | 113  | 3549     | 3.453   | ng    | # 86     |
| 36) 4-Chloro-3-methylphenol   | 12.063 | 107  | 19276    | 5.000   | ng    | 93       |
| 37) 2-Methylnaphthalene       | 12.433 | 142  | 44573    | 4.863   | ng    | 94       |
| 38) 1-Methylnaphthalene       | 12.651 | 142  | 42254    | 4.888   | ng    | 98       |
| 40) 1,2,4,5-Tetrachloroben... | 12.798 | 216  | 26285    | 4.682   | ng    | 97       |
| 41) Hexachlorocyclopentadiene | 12.769 | 237  | 13261    | 4.298   | ng    | 94       |
| 43) 2,4,6-Trichlorophenol     | 13.039 | 196  | 18689    | 5.201   | ng    | 96       |

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### Manual Integrations APPROVED

Reviewed By :Christian Giraldo 01/24/2023  
 Supervised By :Jagrut Upadhyay 01/24/2023

| Compound                       | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|--------|------|----------|-------|-------|----------|
| 44) 2,4,5-Trichlorophenol      | 13.110 | 196  | 19611    | 4.659 | ng    | # 97     |
| 46) 1,1'-Biphenyl              | 13.439 | 154  | 53811    | 4.502 | ng    | 98       |
| 47) 2-Chloronaphthalene        | 13.480 | 162  | 49791    | 5.337 | ng    | 100      |
| 48) 2-Nitroaniline             | 13.692 | 65   | 11454    | 4.180 | ng    | 96       |
| 49) Acenaphthylene             | 14.321 | 152  | 71414    | 4.892 | ng    | 99       |
| 50) Dimethylphthalate          | 14.057 | 163  | 58172    | 5.064 | ng    | 99       |
| 51) 2,6-Dinitrotoluene         | 14.186 | 165  | 11132    | 4.605 | ng    | 95       |
| 52) Acenaphthene               | 14.663 | 154  | 44314    | 4.978 | ng    | 97       |
| 53) 3-Nitroaniline             | 14.515 | 138  | 9627     | 4.007 | ng    | 100      |
| 54) 2,4-Dinitrophenol          | 14.727 | 184  | 6078     | 7.884 | ng    | 93       |
| 55) Dibenzofuran               | 14.998 | 168  | 77682    | 5.219 | ng    | 97       |
| 56) 4-Nitrophenol              | 14.827 | 139  | 7057     | 3.567 | ng    | 89       |
| 57) 2,4-Dinitrotoluene         | 14.974 | 165  | 13778    | 4.204 | ng    | # 97     |
| 58) Fluorene                   | 15.645 | 166  | 59365    | 4.919 | ng    | 98       |
| 59) 2,3,4,6-Tetrachlorophenol  | 15.227 | 232  | 16782    | 4.878 | ng    | # 98     |
| 60) Diethylphthalate           | 15.415 | 149  | 55645    | 4.946 | ng    | 99       |
| 61) 4-Chlorophenyl-phenylether | 15.639 | 204  | 32617    | 5.147 | ng    | 96       |
| 62) 4-Nitroaniline             | 15.674 | 138  | 9122     | 6.465 | ng    | 97       |
| 63) Azobenzene                 | 15.927 | 77   | 55117    | 4.624 | ng    | 98       |
| 65) 4,6-Dinitro-2-methylph...  | 15.733 | 198  | 8825     | 3.982 | ng    | 95       |
| 66) n-Nitrosodiphenylamine     | 15.857 | 169  | 49093    | 4.789 | ng    | 98       |
| 67) 4-Bromophenyl-phenylether  | 16.533 | 248  | 19586    | 5.171 | ng    | 97       |
| 68) Hexachlorobenzene          | 16.645 | 284  | 22971    | 5.620 | ng    | 95       |
| 69) Atrazine                   | 16.804 | 200  | 14906    | 4.359 | ng    | 95       |
| 70) Pentachlorophenol          | 16.992 | 266  | 12423    | 4.269 | ng    | 95       |
| 71) Phenanthrene               | 17.386 | 178  | 97466    | 5.111 | ng    | 99       |
| 72) Anthracene                 | 17.474 | 178  | 93157    | 4.801 | ng    | 98       |
| 73) Carbazole                  | 17.751 | 167  | 82435    | 4.824 | ng    | 98       |
| 74) Di-n-butylphthalate        | 18.298 | 149  | 83828    | 4.465 | ng    | 99       |
| 75) Fluoranthene               | 19.398 | 202  | 116163   | 5.069 | ng    | 97       |
| 77) Benzidine                  | 19.586 | 184  | 30227    | 3.452 | ng    | 98       |
| 78) Pyrene                     | 19.762 | 202  | 122786   | 4.590 | ng    | 99       |
| 80) Butylbenzylphthalate       | 20.645 | 149  | 37979    | 4.105 | ng    | 95       |
| 81) Benzo(a)anthracene         | 21.503 | 228  | 139899   | 5.139 | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine     | 21.439 | 252  | 40080    | 4.583 | ng    | # 99     |
| 83) Chrysene                   | 21.556 | 228  | 135811   | 5.101 | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha...  | 21.415 | 149  | 56958    | 4.248 | ng    | 99       |
| 85) Di-n-octyl phthalate       | 22.339 | 149  | 97439    | 4.087 | ng    | 99       |
| 87) Indeno(1,2,3-cd)pyrene     | 26.444 | 276  | 179193   | 5.103 | ng    | 99       |
| 88) Benzo(b)fluoranthene       | 23.191 | 252  | 157774   | 5.512 | ng    | 99       |
| 89) Benzo(k)fluoranthene       | 23.244 | 252  | 151390   | 5.111 | ng    | 97       |
| 90) Benzo(a)pyrene             | 23.821 | 252  | 138725   | 4.888 | ng    | # 97     |
| 91) Dibenzo(a,h)anthracene     | 26.456 | 278  | 159048   | 5.441 | ng    | # 97     |
| 92) Benzo(g,h,i)perylene       | 27.221 | 276  | 161999   | 5.411 | ng    | 97       |

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

