

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG021122\  
 Data File : BG052376.D  
 Acq On : 11 Feb 2022 19:01  
 Operator : CG/JU  
 Sample : M4068-08  
 Misc : LOQ-WATER 10ppm  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 LOQ-WATER-02-QT4-2021

Quant Time: Feb 12 01:34:17 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG020722.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Feb 12 01:31:42 2022  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 02/14/2022  
 Supervised By :mohammad ahmed 02/15/2022

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.228  | 152  | 23721    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 11.066 | 136  | 97617    | 20.000  | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 14.872 | 164  | 74121    | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.621 | 188  | 188600   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 21.939 | 240  | 205617   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 25.411 | 264  | 205346   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.755  | 112  | 127182   | 93.445  | ng    | 0.00     |
| 7) Phenol-d6                  | 7.370  | 99   | 189016   | 90.007  | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.397  | 82   | 140139   | 62.393  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.358 | 330  | 111623   | 104.823 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.492 | 172  | 345179   | 64.710  | ng    | 0.00     |
| 79) Terphenyl-d14             | 20.212 | 244  | 744738   | 63.959  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.587  | 88   | 5051     | 8.060   | ng    | 89       |
| 3) Pyridine                   | 3.999  | 79   | 14236    | 7.832   | ng    | 91       |
| 4) n-Nitrosodimethylamine     | 3.905  | 42   | 7505     | 7.997   | ng    | # 61     |
| 6) Aniline                    | 7.535  | 93   | 22300    | 9.140   | ng    | 98       |
| 8) 2-Chlorophenol             | 7.788  | 128  | 13006    | 8.687   | ng    | 93       |
| 9) Benzaldehyde               | 7.347  | 77   | 15123    | 11.731  | ng    | 97       |
| 10) Phenol                    | 7.394  | 94   | 17298    | 8.290   | ng    | 98       |
| 11) bis(2-Chloroethyl)ether   | 7.623  | 93   | 13352    | 8.372   | ng    | 98       |
| 12) 1,3-Dichlorobenzene       | 8.117  | 146  | 14180    | 8.312   | ng    | 98       |
| 13) 1,4-Dichlorobenzene       | 8.263  | 146  | 15803    | 9.087   | ng    | 95       |
| 14) 1,2-Dichlorobenzene       | 8.586  | 146  | 14731m   | 8.589   | ng    |          |
| 15) Benzyl Alcohol            | 8.457  | 79   | 13800    | 7.918   | ng    | 95       |
| 16) 2,2'-oxybis(1-Chloropr... | 8.745  | 45   | 18753    | 8.143   | ng    | 100      |
| 17) 2-Methylphenol            | 8.669  | 107  | 11244    | 8.166   | ng    | 96       |
| 18) Hexachloroethane          | 9.327  | 117  | 5176     | 8.560   | ng    | 97       |
| 19) n-Nitroso-di-n-propyla... | 9.027  | 70   | 13656    | 8.626   | ng    | # 86     |
| 20) 3+4-Methylphenols         | 8.998  | 107  | 15485    | 7.861   | ng    | 96       |
| 22) Acetophenone              | 9.051  | 105  | 24243    | 9.397   | ng    | # 95     |
| 24) Nitrobenzene              | 9.438  | 77   | 19974    | 9.375   | ng    | # 96     |
| 25) Isophorone                | 9.967  | 82   | 36844    | 9.641   | ng    | 98       |
| 26) 2-Nitrophenol             | 10.161 | 139  | 7848     | 8.691   | ng    | # 85     |
| 27) 2,4-Dimethylphenol        | 10.214 | 122  | 14479    | 10.829  | ng    | 86       |
| 28) bis(2-Chloroethoxy)met... | 10.443 | 93   | 20450    | 9.429   | ng    | 96       |
| 29) 2,4-Dichlorophenol        | 10.713 | 162  | 13339    | 8.323   | ng    | 92       |
| 30) 1,2,4-Trichlorobenzene    | 10.925 | 180  | 16087    | 8.596   | ng    | 96       |
| 31) Naphthalene               | 11.118 | 128  | 46954    | 9.175   | ng    | 96       |
| 32) Benzoic acid              | 10.314 | 122  | 5022m    | 6.395   | ng    |          |
| 33) 4-Chloroaniline           | 11.218 | 127  | 19749    | 9.243   | ng    | 96       |
| 34) Hexachlorobutadiene       | 11.400 | 225  | 11082    | 8.768   | ng    | 97       |
| 35) Caprolactam               | 11.953 | 113  | 5251     | 8.991   | ng    | 93       |
| 36) 4-Chloro-3-methylphenol   | 12.334 | 107  | 16025    | 8.789   | ng    | 94       |
| 37) 2-Methylnaphthalene       | 12.710 | 142  | 34909    | 9.184   | ng    | 97       |
| 38) 1-Methylnaphthalene       | 12.928 | 142  | 33550    | 9.109   | ng    | # 98     |
| 40) 1,2,4,5-Tetrachloroben... | 13.075 | 216  | 22110    | 9.069   | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 13.057 | 237  | 9936     | 9.653   | ng    | 95       |
| 43) 2,4,6-Trichlorophenol     | 13.310 | 196  | 12666    | 7.944   | ng    | 96       |

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Manual Integrations  
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| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 13.386 | 196  | 14063    | 8.139  | ng    | 92       |
| 46) 1,1'-Biphenyl             | 13.703 | 154  | 50371    | 9.268  | ng    | 97       |
| 47) 2-Chloronaphthalene       | 13.756 | 162  | 37568    | 8.972  | ng    | 93       |
| 48) 2-Nitroaniline            | 13.950 | 65   | 13329    | 8.941  | ng    | 96       |
| 49) Acenaphthylene            | 14.596 | 152  | 66168    | 9.707  | ng    | 97       |
| 50) Dimethylphthalate         | 14.308 | 163  | 53271    | 9.382  | ng    | 97       |
| 51) 2,6-Dinitrotoluene        | 14.432 | 165  | 11861    | 9.680  | ng    | # 85     |
| 52) Acenaphthene              | 14.937 | 154  | 41511m   | 9.299  | ng    |          |
| 53) 3-Nitroaniline            | 14.766 | 138  | 11583    | 9.095  | ng    | 94       |
| 54) 2,4-Dinitrophenol         | 14.978 | 184  | 6536     | 9.838  | ng    | 89       |
| 55) Dibenzofuran              | 15.266 | 168  | 61889    | 8.815  | ng    | 99       |
| 56) 4-Nitrophenol             | 15.078 | 139  | 8173     | 8.545  | ng    | 86       |
| 57) 2,4-Dinitrotoluene        | 15.219 | 165  | 17049    | 9.776  | ng    | 88       |
| 58) Fluorene                  | 15.918 | 166  | 54063    | 9.646  | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol | 15.495 | 232  | 14108    | 8.547  | ng    | # 94     |
| 60) Diethylphthalate          | 15.665 | 149  | 54891    | 9.570  | ng    | 97       |
| 61) 4-Chlorophenyl-phenyle... | 15.900 | 204  | 28206    | 8.835  | ng    | 96       |
| 62) 4-Nitroaniline            | 15.924 | 138  | 13217    | 9.858  | ng    | # 71     |
| 63) Azobenzene                | 16.194 | 77   | 53931    | 9.185  | ng    | 95       |
| 65) 4,6-Dinitro-2-methylph... | 15.988 | 198  | 8003     | 7.054  | ng    | 89       |
| 66) n-Nitrosodiphenylamine    | 16.112 | 169  | 47938    | 9.225  | ng    | 95       |
| 67) 4-Bromophenyl-phenylether | 16.799 | 248  | 19476    | 8.492  | ng    | 98       |
| 68) Hexachlorobenzene         | 16.928 | 284  | 22089    | 8.880  | ng    | # 93     |
| 69) Atrazine                  | 17.052 | 200  | 19687    | 9.371  | ng    | 92       |
| 70) Pentachlorophenol         | 17.275 | 266  | 13105    | 10.768 | ng    | 94       |
| 71) Phenanthrene              | 17.662 | 178  | 89682    | 9.224  | ng    | 99       |
| 72) Anthracene                | 17.751 | 178  | 92043    | 9.661  | ng    | 98       |
| 73) Carbazole                 | 18.021 | 167  | 84774    | 9.123  | ng    | 98       |
| 74) Di-n-butylphthalate       | 18.561 | 149  | 98281    | 9.708  | ng    | 99       |
| 75) Fluoranthene              | 19.666 | 202  | 122279   | 9.877  | ng    | 99       |
| 77) Benzidine                 | 19.836 | 184  | 62883    | 14.312 | ng    | 98       |
| 78) Pyrene                    | 20.030 | 202  | 122844   | 8.929  | ng    | 98       |
| 80) Butylbenzylphthalate      | 20.893 | 149  | 43617    | 9.126  | ng    | 94       |
| 81) Benzo(a)anthracene        | 21.916 | 228  | 127135   | 9.344  | ng    | 97       |
| 82) 3,3'-Dichlorobenzidine    | 21.816 | 252  | 46667    | 9.824  | ng    | 97       |
| 83) Chrysene                  | 21.986 | 228  | 115087   | 8.926  | ng    | 98       |
| 84) Bis(2-ethylhexyl)phtha... | 21.798 | 149  | 59602    | 8.994  | ng    | 100      |
| 85) Di-n-octyl phthalate      | 23.085 | 149  | 100988   | 9.089  | ng    | 96       |
| 87) Indeno(1,2,3-cd)pyrene    | 29.400 | 276  | 128314   | 8.539  | ng    | # 98     |
| 88) Benzo(b)fluoranthene      | 24.295 | 252  | 122016   | 9.535  | ng    | 98       |
| 89) Benzo(k)fluoranthene      | 24.371 | 252  | 120951   | 9.568  | ng    | 99       |
| 90) Benzo(a)pyrene            | 25.240 | 252  | 115786   | 10.712 | ng    | 98       |
| 91) Dibenzo(a,h)anthracene    | 29.476 | 278  | 114541   | 9.227  | ng    | 95       |
| 92) Benzo(g,h,i)perylene      | 30.657 | 276  | 110442   | 9.066  | ng    | # 95     |

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

