

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP111521\  
 Data File : BP007984.D  
 Acq On : 15 Nov 2021 16:30  
 Operator : CG/JU  
 Sample : M4068-07  
 Misc : LOD-MDL-WATER 4ppm  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 LOD-MDL-WATER-01-QT4-2021

Quant Time: Nov 16 03:49:12 2021  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP111321.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Nov 16 03:49:08 2021  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 11/16/2021  
 Supervised By :mohammad ahmed 11/17/2021

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.840  | 152  | 122886   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.640 | 136  | 485984   | 20.000  | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 14.481 | 164  | 349945   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.239 | 188  | 795844   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 21.339 | 240  | 1016689  | 20.000  | ng    | # 0.00   |
| 86) Perylene-d12              | 23.751 | 264  | 1173599  | 20.000  | ng    | 0.01     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.422  | 112  | 1045076  | 137.961 | ng    | 0.00     |
| 7) Phenol-d6                  | 7.016  | 99   | 1385722  | 137.506 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 8.999  | 82   | 814539   | 89.692  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 15.981 | 330  | 804730   | 146.156 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.110 | 172  | 2073746  | 83.124  | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.810 | 244  | 3608743  | 71.974  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.334  | 88   | 14234    | 4.465   | ng    | 97       |
| 3) Pyridine                   | 3.746  | 79   | 32538    | 3.558   | ng    | 94       |
| 4) n-Nitrosodimethylamine     | 3.646  | 42   | 16276    | 4.819   | ng    | 94       |
| 6) Aniline                    | 7.169  | 93   | 55303    | 4.860   | ng    | 95       |
| 8) 2-Chlorophenol             | 7.405  | 128  | 34320    | 4.285   | ng    | 96       |
| 9) Benzaldehyde               | 6.981  | 77   | 32284m   | 4.967   | ng    |          |
| 10) Phenol                    | 7.040  | 94   | 44121    | 4.513   | ng    | 78       |
| 11) bis(2-Chloroethyl)ether   | 7.269  | 93   | 34078    | 4.241   | ng    | 98       |
| 12) 1,3-Dichlorobenzene       | 7.728  | 146  | 38851    | 4.314   | ng    | 98       |
| 13) 1,4-Dichlorobenzene       | 7.875  | 146  | 40180    | 4.388   | ng    | 94       |
| 14) 1,2-Dichlorobenzene       | 8.193  | 146  | 37529    | 4.059   | ng    | 96       |
| 15) Benzyl Alcohol            | 8.087  | 79   | 29647    | 3.889   | ng    | 97       |
| 16) 2,2'-oxybis(1-Chloropr... | 8.375  | 45   | 40508    | 4.172   | ng    | 94       |
| 17) 2-Methylphenol            | 8.293  | 107  | 26567    | 3.946   | ng    | 98       |
| 18) Hexachloroethane          | 8.922  | 117  | 13372    | 4.307   | ng    | 87       |
| 19) n-Nitroso-di-n-propyla... | 8.652  | 70   | 25425    | 4.053   | ng    | # 98     |
| 20) 3+4-Methylphenols         | 8.616  | 107  | 36481    | 3.910   | ng    | 96       |
| 22) Acetophenone              | 8.663  | 105  | 51701    | 4.182   | ng    | # 98     |
| 24) Nitrobenzene              | 9.040  | 77   | 42203    | 4.862   | ng    | 99       |
| 25) Isophorone                | 9.575  | 82   | 67417    | 4.268   | ng    | 98       |
| 26) 2-Nitrophenol             | 9.757  | 139  | 16156    | 3.646   | ng    | 95       |
| 27) 2,4-Dimethylphenol        | 9.822  | 122  | 30490    | 4.658   | ng    | 90       |
| 28) bis(2-Chloroethoxy)met... | 10.057 | 93   | 42424    | 4.048   | ng    | 96       |
| 29) 2,4-Dichlorophenol        | 10.293 | 162  | 32397    | 4.021   | ng    | 99       |
| 30) 1,2,4-Trichlorobenzene    | 10.504 | 180  | 40154    | 4.356   | ng    | 98       |
| 31) Naphthalene               | 10.693 | 128  | 111163   | 4.479   | ng    | 98       |
| 32) Benzoic acid              | 9.904  | 122  | 9888m    | 1.748   | ng    |          |
| 33) 4-Chloroaniline           | 10.804 | 127  | 47092    | 4.418   | ng    | 99       |
| 34) Hexachlorobutadiene       | 10.981 | 225  | 28494    | 4.523   | ng    | 93       |
| 35) Caprolactam               | 11.593 | 113  | 9370     | 5.295   | ng    | # 87     |
| 36) 4-Chloro-3-methylphenol   | 11.940 | 107  | 35463    | 3.895   | ng    | 97       |
| 37) 2-Methylnaphthalene       | 12.304 | 142  | 82407    | 4.544   | ng    | 97       |
| 38) 1-Methylnaphthalene       | 12.522 | 142  | 78255    | 4.424   | ng    | 94       |
| 40) 1,2,4,5-Tetrachloroben... | 12.675 | 216  | 47668    | 4.088   | ng    | 98       |
| 41) Hexachlorocyclopentadiene | 12.657 | 237  | 17660    | 3.299   | ng    | 95       |
| 43) 2,4,6-Trichlorophenol     | 12.916 | 196  | 28146    | 3.533   | ng    | 97       |

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|-------------------------------|--------|------|----------|-------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 12.993 | 196  | 32056    | 3.703 | ng    | 93       |
| 46) 1,1'-Biphenyl             | 13.316 | 154  | 109834   | 4.202 | ng    | 98       |
| 47) 2-Chloronaphthalene       | 13.357 | 162  | 86824    | 4.246 | ng    | 98       |
| 48) 2-Nitroaniline            | 13.563 | 65   | 20504    | 3.533 | ng    | 95       |
| 49) Acenaphthylene            | 14.204 | 152  | 130023   | 4.180 | ng    | 98       |
| 50) Dimethylphthalate         | 13.940 | 163  | 113689   | 4.106 | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 14.057 | 165  | 20995    | 3.650 | ng    | 94       |
| 52) Acenaphthene              | 14.545 | 154  | 82675    | 4.441 | ng    | 98       |
| 53) 3-Nitroaniline            | 14.392 | 138  | 21288    | 3.630 | ng    | 97       |
| 54) 2,4-Dinitrophenol         | 14.610 | 184  | 7726     | 2.226 | ng    | 88       |
| 55) Dibenzofuran              | 14.881 | 168  | 140357   | 4.433 | ng    | 98       |
| 56) 4-Nitrophenol             | 14.716 | 139  | 15646    | 3.274 | ng    | 93       |
| 57) 2,4-Dinitrotoluene        | 14.851 | 165  | 29286    | 3.825 | ng    | 95       |
| 58) Fluorene                  | 15.534 | 166  | 109816   | 4.360 | ng    | 97       |
| 59) 2,3,4,6-Tetrachlorophenol | 15.116 | 232  | 29590m   | 3.753 | ng    |          |
| 60) Diethylphthalate          | 15.310 | 149  | 110833   | 4.153 | ng    | 99       |
| 61) 4-Chlorophenyl-phenyle... | 15.534 | 204  | 61683    | 4.528 | ng    | 96       |
| 62) 4-Nitroaniline            | 15.551 | 138  | 22504    | 3.734 | ng    | 100      |
| 63) Azobenzene                | 15.828 | 77   | 90130    | 4.012 | ng    | 96       |
| 65) 4,6-Dinitro-2-methylph... | 15.622 | 198  | 14396    | 2.760 | ng    | 91       |
| 66) n-Nitrosodiphenylamine    | 15.745 | 169  | 97330    | 4.273 | ng    | 98       |
| 67) 4-Bromophenyl-phenylether | 16.428 | 248  | 38243    | 4.109 | ng    | 99       |
| 68) Hexachlorobenzene         | 16.545 | 284  | 45875    | 4.376 | ng    | 95       |
| 69) Atrazine                  | 16.704 | 200  | 36583    | 6.160 | ng    | 97       |
| 70) Pentachlorophenol         | 16.898 | 266  | 22151    | 3.465 | ng    | 93       |
| 71) Phenanthrene              | 17.281 | 178  | 188231   | 4.440 | ng    | 100      |
| 72) Anthracene                | 17.375 | 178  | 180074   | 4.332 | ng    | 100      |
| 73) Carbazole                 | 17.651 | 167  | 164789   | 4.026 | ng    | 99       |
| 74) Di-n-butylphthalate       | 18.210 | 149  | 180861   | 3.904 | ng    | 98       |
| 75) Fluoranthene              | 19.257 | 202  | 233191   | 4.344 | ng    | 98       |
| 77) Benzidine                 | 19.439 | 184  | 112292   | 7.198 | ng    | 97       |
| 78) Pyrene                    | 19.610 | 202  | 252006   | 4.145 | ng    | 99       |
| 80) Butylbenzylphthalate      | 20.486 | 149  | 86063    | 3.428 | ng    | 98       |
| 81) Benzo(a)anthracene        | 21.322 | 228  | 281884   | 4.211 | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 21.257 | 252  | 100681   | 3.259 | ng    | 99       |
| 83) Chrysene                  | 21.374 | 228  | 281596   | 4.389 | ng    | 98       |
| 84) Bis(2-ethylhexyl)phtha... | 21.257 | 149  | 138489   | 3.864 | ng    | # 99     |
| 85) Di-n-octyl phthalate      | 22.180 | 149  | 241569   | 3.657 | ng    | 98       |
| 87) Indeno(1,2,3-cd)pyrene    | 26.257 | 276  | 369977   | 4.366 | ng    | # 95     |
| 88) Benzo(b)fluoranthene      | 23.010 | 252  | 320396   | 4.586 | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 23.063 | 252  | 299325   | 4.289 | ng    | 98       |
| 90) Benzo(a)pyrene            | 23.639 | 252  | 296963   | 4.970 | ng    | 98       |
| 91) Dibenzo(a,h)anthracene    | 26.274 | 278  | 313082   | 4.454 | ng    | 98       |
| 92) Benzo(g,h,i)perylene      | 27.033 | 276  | 312862   | 4.515 | ng    | 96       |

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

