

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM032023\  
 Data File : BM039042.D  
 Acq On : 20 Mar 2023 13:30  
 Operator : CG/JU  
 Sample : 01627-09  
 Misc : MDL-MDL-WATER 8ppm  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 MDL-WATER-03-QT1-2023

Quant Time: Mar 21 04:06:58 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM030823.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Mar 17 05:25:34 2023  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By : Christian Giraldo 03/21/2023  
 Supervised By : Jagrut Upadhyay 03/21/2023

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.975  | 152  | 432924   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.786 | 136  | 1782132  | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 14.616 | 164  | 1105365  | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.357 | 188  | 2336441  | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 21.533 | 240  | 2251440  | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 23.968 | 264  | 2382521  | 20.000  | ng    | -0.01    |
|                               |        |      |          |         |       |          |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.522  | 112  | 2916488  | 102.350 | ng    | 0.00     |
| 7) Phenol-d6                  | 7.134  | 99   | 3861494  | 104.330 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.139  | 82   | 2883096  | 79.467  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.098 | 330  | 1425034  | 111.441 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.239 | 172  | 6101268  | 71.855  | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.980 | 244  | 9373047  | 76.116  | ng    | 0.00     |
|                               |        |      |          |         |       |          |
| Target Compounds              |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.393  | 88   | 84210    | 6.643   | ng    | 98       |
| 3) Pyridine                   | 3.804  | 79   | 205064   | 5.833   | ng    | 96       |
| 4) n-Nitrosodimethylamine     | 3.710  | 42   | 95902    | 6.703   | ng    | # 95     |
| 6) Aniline                    | 7.298  | 93   | 331313   | 6.817   | ng    | 98       |
| 8) 2-Chlorophenol             | 7.534  | 128  | 206708   | 6.814   | ng    | 99       |
| 9) Benzaldehyde               | 7.110  | 77   | 196795m  | 11.173  | ng    |          |
| 10) Phenol                    | 7.157  | 94   | 267374   | 6.803   | ng    | 97       |
| 11) bis(2-Chloroethyl)ether   | 7.392  | 93   | 223636   | 6.998   | ng    | 99       |
| 12) 1,3-Dichlorobenzene       | 7.863  | 146  | 228495   | 7.087   | ng    | 98       |
| 13) 1,4-Dichlorobenzene       | 8.010  | 146  | 230649   | 7.034   | ng    | 99       |
| 14) 1,2-Dichlorobenzene       | 8.328  | 146  | 223383   | 7.073   | ng    | 99       |
| 15) Benzyl Alcohol            | 8.216  | 79   | 183897   | 6.932   | ng    | 98       |
| 16) 2,2'-oxybis(1-Chloropr... | 8.510  | 45   | 309601   | 7.671   | ng    | 99       |
| 17) 2-Methylphenol            | 8.416  | 107  | 169841   | 6.290   | ng    | 99       |
| 18) Hexachloroethane          | 9.057  | 117  | 86662    | 7.164   | ng    | 96       |
| 19) n-Nitroso-di-n-propyla... | 8.786  | 70   | 179126   | 7.684   | ng    | 98       |
| 20) 3+4-Methylphenols         | 8.739  | 107  | 226130   | 6.272   | ng    | 96       |
| 22) Acetophenone              | 8.798  | 105  | 343407   | 6.868   | ng    | # 97     |
| 24) Nitrobenzene              | 9.181  | 77   | 266432   | 6.987   | ng    | 96       |
| 25) Isophorone                | 9.710  | 82   | 478761   | 7.171   | ng    | 100      |
| 26) 2-Nitrophenol             | 9.892  | 139  | 97259    | 8.407   | ng    | 97       |
| 27) 2,4-Dimethylphenol        | 9.951  | 122  | 190083   | 6.534   | ng    | 97       |
| 28) bis(2-Chloroethoxy)met... | 10.192 | 93   | 302851   | 7.060   | ng    | 100      |
| 29) 2,4-Dichlorophenol        | 10.428 | 162  | 171204   | 6.208   | ng    | 99       |
| 30) 1,2,4-Trichlorobenzene    | 10.645 | 180  | 196475   | 6.519   | ng    | 100      |
| 31) Naphthalene               | 10.833 | 128  | 668912   | 6.582   | ng    | 99       |
| 32) Benzoic acid              | 10.022 | 122  | 79356    | 9.007   | ng    | 95       |
| 33) 4-Chloroaniline           | 10.945 | 127  | 274895   | 6.348   | ng    | 98       |
| 34) Hexachlorobutadiene       | 11.122 | 225  | 110546   | 6.396   | ng    | 97       |
| 35) Caprolactam               | 11.716 | 113  | 57209    | 6.815   | ng    | 91       |
| 36) 4-Chloro-3-methylphenol   | 12.063 | 107  | 197169   | 6.714   | ng    | 96       |
| 37) 2-Methylnaphthalene       | 12.439 | 142  | 447076   | 6.564   | ng    | 99       |
| 38) 1-Methylnaphthalene       | 12.663 | 142  | 418781   | 6.561   | ng    | 99       |
| 40) 1,2,4,5-Tetrachloroben... | 12.810 | 216  | 212549   | 5.915   | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 12.786 | 237  | 122056   | 6.188   | ng    | 97       |
| 43) 2,4,6-Trichlorophenol     | 13.045 | 196  | 131440   | 5.649   | ng    | 99       |

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| Compound                       | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol      | 13.116 | 196  | 144266   | 5.297  | ng    | 97       |
| 46) 1,1'-Biphenyl              | 13.451 | 154  | 619406   | 6.614  | ng    | 99       |
| 47) 2-Chloronaphthalene        | 13.492 | 162  | 455369   | 6.449  | ng    | 98       |
| 48) 2-Nitroaniline             | 13.692 | 65   | 129290   | 7.670  | ng    | 94       |
| 49) Acenaphthylene             | 14.333 | 152  | 701499   | 6.237  | ng    | 99       |
| 50) Dimethylphthalate          | 14.068 | 163  | 579782   | 6.816  | ng    | 100      |
| 51) 2,6-Dinitrotoluene         | 14.186 | 165  | 110994   | 7.236  | ng    | 91       |
| 52) Acenaphthene               | 14.674 | 154  | 436361   | 6.313  | ng    | 98       |
| 53) 3-Nitroaniline             | 14.515 | 138  | 122850   | 6.991  | ng    | 98       |
| 54) 2,4-Dinitrophenol          | 14.716 | 184  | 48307    | 9.369  | ng    | 95       |
| 55) Dibenzofuran               | 15.010 | 168  | 706224   | 6.529  | ng    | 99       |
| 56) 4-Nitrophenol              | 14.810 | 139  | 102436   | 6.064  | ng    | 93       |
| 57) 2,4-Dinitrotoluene         | 14.968 | 165  | 141600   | 7.544  | ng    | 88       |
| 58) Fluorene                   | 15.657 | 166  | 556981   | 6.573  | ng    | 100      |
| 59) 2,3,4,6-Tetrachlorophenol  | 15.233 | 232  | 131481   | 6.259  | ng    | 97       |
| 60) Diethylphthalate           | 15.433 | 149  | 583105   | 7.046  | ng    | 99       |
| 61) 4-Chlorophenyl-phenylether | 15.651 | 204  | 270513   | 6.499  | ng    | 97       |
| 62) 4-Nitroaniline             | 15.674 | 138  | 123490   | 7.065  | ng    | 94       |
| 63) Azobenzene                 | 15.945 | 77   | 601655   | 6.871  | ng    | 99       |
| 65) 4,6-Dinitro-2-methylph...  | 15.727 | 198  | 70289    | 9.181  | ng    | 92       |
| 66) n-Nitrosodiphenylamine     | 15.862 | 169  | 474175   | 6.020  | ng    | 100      |
| 67) 4-Bromophenyl-phenylether  | 16.545 | 248  | 155107   | 6.146  | ng    | 93       |
| 68) Hexachlorobenzene          | 16.662 | 284  | 180992   | 6.416  | ng    | 97       |
| 69) Atrazine                   | 16.815 | 200  | 159676   | 7.422  | ng    | 99       |
| 70) Pentachlorophenol          | 17.004 | 266  | 101743   | 4.903  | ng    | 98       |
| 71) Phenanthrene               | 17.398 | 178  | 887162   | 6.470  | ng    | 99       |
| 72) Anthracene                 | 17.486 | 178  | 855282   | 6.254  | ng    | 99       |
| 73) Carbazole                  | 17.756 | 167  | 825772   | 6.616  | ng    | 99       |
| 74) Di-n-butylphthalate        | 18.327 | 149  | 970089   | 7.932  | ng    | 99       |
| 75) Fluoranthene               | 19.409 | 202  | 950448   | 6.565  | ng    | 99       |
| 77) Benzidine                  | 19.598 | 184  | 484882   | 13.365 | ng    | 100      |
| 78) Pyrene                     | 19.774 | 202  | 1022775  | 6.048  | ng    | 99       |
| 80) Butylbenzylphthalate       | 20.668 | 149  | 428373   | 8.862  | ng    | 94       |
| 81) Benzo(a)anthracene         | 21.521 | 228  | 1050663  | 6.480  | ng    | 100      |
| 82) 3,3'-Dichlorobenzidine     | 21.450 | 252  | 382363   | 7.673  | ng    | 100      |
| 83) Chrysene                   | 21.574 | 228  | 1011015  | 6.411  | ng    | 98       |
| 84) Bis(2-ethylhexyl)phtha...  | 21.444 | 149  | 685529   | 8.738  | ng    | 98       |
| 85) Di-n-octyl phthalate       | 22.386 | 149  | 1102901  | 9.684  | ng    | 97       |
| 87) Indeno(1,2,3-cd)pyrene     | 26.497 | 276  | 1097600  | 6.054  | ng    | 98       |
| 88) Benzo(b)fluoranthene       | 23.227 | 252  | 1029995  | 6.767  | ng    | 99       |
| 89) Benzo(k)fluoranthene       | 23.274 | 252  | 1002163  | 6.327  | ng    | 99       |
| 90) Benzo(a)pyrene             | 23.856 | 252  | 852103   | 5.817  | ng    | 99       |
| 91) Dibenzo(a,h)anthracene     | 26.515 | 278  | 931091   | 6.064  | ng    | 96       |
| 92) Benzo(g,h,i)perylene       | 27.273 | 276  | 861261   | 5.734  | ng    | 97       |

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

