

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM021623\  
 Data File : BM038767.D  
 Acq On : 16 Feb 2023 21:19  
 Operator : CG/JU  
 Sample : 01562-01MSD  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 BU-3-021523MSD

Quant Time: Feb 17 06:12:52 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM020123.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Feb 17 06:10:11 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.916  | 152  | 33229    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.728 | 136  | 142175   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 14.563 | 164  | 104935   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.304 | 188  | 257664   | 20.000  | ng    | # 0.00   |
| 76) Chrysene-d12              | 21.486 | 240  | 297667   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 23.868 | 264  | 291201   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.469  | 112  | 214963   | 126.725 | ng    | 0.00     |
| 7) Phenol-d6                  | 7.093  | 99   | 284469   | 147.037 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.092  | 82   | 166208   | 66.402  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.051 | 330  | 194588   | 136.429 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.186 | 172  | 530184   | 64.323  | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.921 | 244  | 1259460  | 74.665  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.299  | 88   | 21671    | 28.979  | ng    | 92       |
| 3) Pyridine                   | 3.722  | 79   | 55026    | 30.944  | ng    | 97       |
| 4) n-Nitrosodimethylamine     | 3.634  | 42   | 30770    | 38.329  | ng    | # 88     |
| 6) Aniline                    | 7.245  | 93   | 102980   | 42.672  | ng    | 94       |
| 8) 2-Chlorophenol             | 7.475  | 128  | 112853   | 60.970  | ng    | 96       |
| 9) Benzaldehyde               | 7.051  | 77   | 45506    | 53.366  | ng    | 92       |
| 10) Phenol                    | 7.116  | 94   | 126292   | 64.615  | ng    | 89       |
| 11) bis(2-Chloroethyl)ether   | 7.340  | 93   | 85870    | 54.251  | ng    | 92       |
| 12) 1,3-Dichlorobenzene       | 7.798  | 146  | 122505   | 51.801  | ng    | 98       |
| 13) 1,4-Dichlorobenzene       | 7.945  | 146  | 122713   | 51.414  | ng    | 98       |
| 14) 1,2-Dichlorobenzene       | 8.263  | 146  | 123146   | 53.858  | ng    | 97       |
| 15) Benzyl Alcohol            | 8.169  | 79   | 79461m   | 55.802  | ng    |          |
| 16) 2,2'-oxybis(1-Chloropr... | 8.451  | 45   | 71053    | 47.392  | ng    | 97       |
| 17) 2-Methylphenol            | 8.375  | 107  | 88438    | 58.991  | ng    | 97       |
| 18) Hexachloroethane          | 8.987  | 117  | 39930    | 51.803  | ng    | 96       |
| 19) n-Nitroso-di-n-propyla... | 8.728  | 70   | 62079    | 53.234  | ng    | 95       |
| 20) 3+4-Methylphenols         | 8.704  | 107  | 122985   | 61.529  | ng    | 96       |
| 22) Acetophenone              | 8.751  | 105  | 148257   | 43.726  | ng    | # 95     |
| 24) Nitrobenzene              | 9.134  | 77   | 106190   | 41.797  | ng    | 91       |
| 25) Isophorone                | 9.657  | 82   | 190173   | 43.370  | ng    | 97       |
| 26) 2-Nitrophenol             | 9.845  | 139  | 69641    | 49.260  | ng    | 94       |
| 27) 2,4-Dimethylphenol        | 9.910  | 122  | 105468   | 51.707  | ng    | 97       |
| 28) bis(2-Chloroethoxy)met... | 10.139 | 93   | 118701   | 44.296  | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 10.381 | 162  | 137366   | 47.402  | ng    | 98       |
| 30) 1,2,4-Trichlorobenzene    | 10.586 | 180  | 127958   | 41.510  | ng    | 95       |
| 31) Naphthalene               | 10.775 | 128  | 350425   | 48.031  | ng    | 98       |
| 32) Benzoic acid              | 10.063 | 122  | 97427    | 59.006  | ng    | 89       |
| 33) 4-Chloroaniline           | 10.904 | 127  | 80048    | 25.035  | ng    | 95       |
| 34) Hexachlorobutadiene       | 11.045 | 225  | 65410    | 42.359  | ng    | 99       |
| 35) Caprolactam               | 11.710 | 113  | 36812m   | 58.984  | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 12.033 | 107  | 115151   | 53.739  | ng    | 98       |
| 37) 2-Methylnaphthalene       | 12.386 | 142  | 278300   | 47.203  | ng    | 97       |
| 38) 1-Methylnaphthalene       | 12.604 | 142  | 264582   | 47.625  | ng    | 99       |
| 40) 1,2,4,5-Tetrachloroben... | 12.751 | 216  | 124533   | 45.600  | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 12.722 | 237  | 65416    | 38.601  | ng    | 98       |
| 43) 2,4,6-Trichlorophenol     | 12.998 | 196  | 103597   | 48.286  | ng    | 99       |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM021623\  
 Data File : BM038767.D  
 Acq On : 16 Feb 2023 21:19  
 Operator : CG/JU  
 Sample : 01562-01MSD  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 BU-3-021523MSD

Quant Time: Feb 17 06:12:52 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM020123.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Feb 17 06:10:11 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 13.075 | 196  | 114509   | 45.354  | ng    | 96       |
| 46) 1,1'-Biphenyl             | 13.398 | 154  | 394539   | 47.464  | ng    | 99       |
| 47) 2-Chloronaphthalene       | 13.439 | 162  | 319911   | 48.910  | ng    | 96       |
| 48) 2-Nitroaniline            | 13.657 | 65   | 71601    | 48.482  | ng    | 91       |
| 49) Acenaphthylene            | 14.286 | 152  | 537633   | 52.186  | ng    | 100      |
| 50) Dimethylphthalate         | 14.027 | 163  | 387569   | 45.259  | ng    | 100      |
| 51) 2,6-Dinitrotoluene        | 14.157 | 165  | 89642    | 51.505  | ng    | 97       |
| 52) Acenaphthene              | 14.627 | 154  | 312508   | 50.802  | ng    | 99       |
| 53) 3-Nitroaniline            | 14.486 | 138  | 81404    | 44.801  | ng    | 98       |
| 54) 2,4-Dinitrophenol         | 14.698 | 184  | 50301    | 44.402  | ng    | 92       |
| 55) Dibenzofuran              | 14.957 | 168  | 511764   | 48.311  | ng    | 95       |
| 56) 4-Nitrophenol             | 14.804 | 139  | 193206   | 138.412 | ng    | 94       |
| 57) 2,4-Dinitrotoluene        | 14.945 | 165  | 131777   | 51.199  | ng    | 98       |
| 58) Fluorene                  | 15.610 | 166  | 439030   | 52.380  | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol | 15.192 | 232  | 100693   | 57.303  | ng    | 97       |
| 60) Diethylphthalate          | 15.380 | 149  | 418901   | 51.637  | ng    | 97       |
| 61) 4-Chlorophenyl-phenyle... | 15.598 | 204  | 177414   | 49.894  | ng    | 97       |
| 62) 4-Nitroaniline            | 15.651 | 138  | 104287m  | 55.469  | ng    |          |
| 63) Azobenzene                | 15.892 | 77   | 385790   | 61.811  | ng    | 96       |
| 65) 4,6-Dinitro-2-methylph... | 15.704 | 198  | 29867    | 18.413  | ng    | 93       |
| 66) n-Nitrosodiphenylamine    | 15.821 | 169  | 359786   | 42.765  | ng    | 98       |
| 67) 4-Bromophenyl-phenylether | 16.492 | 248  | 112677   | 45.290  | ng    | 94       |
| 68) Hexachlorobenzene         | 16.610 | 284  | 153901   | 50.616  | ng    | 96       |
| 69) Atrazine                  | 16.774 | 200  | 125355   | 51.408  | ng    | 98       |
| 70) Pentachlorophenol         | 16.957 | 266  | 222054   | 100.183 | ng    | 99       |
| 71) Phenanthrene              | 17.351 | 178  | 788440   | 51.534  | ng    | 100      |
| 72) Anthracene                | 17.439 | 178  | 785503   | 50.187  | ng    | 99       |
| 73) Carbazole                 | 17.715 | 167  | 773803   | 53.011  | ng    | 98       |
| 74) Di-n-butylphthalate       | 18.268 | 149  | 922844   | 55.958  | ng    | 100      |
| 75) Fluoranthene              | 19.362 | 202  | 1031515  | 64.215  | ng    | 99       |
| 77) Benzidine                 | 19.556 | 184  | 309551   | 35.482  | ng    | 99       |
| 78) Pyrene                    | 19.727 | 202  | 1093000  | 47.693  | ng    | 99       |
| 80) Butylbenzylphthalate      | 20.615 | 149  | 522814   | 45.912  | ng    | 98       |
| 81) Benzo(a)anthracene        | 21.468 | 228  | 1158871  | 55.037  | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 21.403 | 252  | 225003   | 31.061  | ng    | 97       |
| 83) Chrysene                  | 21.521 | 228  | 1069350  | 52.710  | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 21.380 | 149  | 824627   | 49.620  | ng    | 99       |
| 85) Di-n-octyl phthalate      | 22.297 | 149  | 1450682  | 53.777  | ng    | 99       |
| 87) Indeno(1,2,3-cd)pyrene    | 26.368 | 276  | 1148113  | 50.055  | ng    | 99       |
| 88) Benzo(b)fluoranthene      | 23.144 | 252  | 1091103  | 62.557  | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 23.192 | 252  | 1038480  | 58.633  | ng    | 99       |
| 90) Benzo(a)pyrene            | 23.768 | 252  | 890249   | 51.613  | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 26.374 | 278  | 966225   | 50.070  | ng    | 99       |
| 92) Benzo(g,h,i)perylene      | 27.138 | 276  | 864518   | 44.319  | ng    | 99       |

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

