

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM053124\  
 Data File : BM045793.D  
 Acq On : 31 May 2024 11:43  
 Operator : MA/JU  
 Sample : SSTD08016  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTD080038

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 06/01/2024  
 Supervised By :mohammad ahmed 06/01/2024

Quant Time: May 31 12:41:54 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM053124.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri May 31 11:12:53 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.469  | 152  | 306098   | 20.000 | ng/ul  | 0.00     |
| 20) Naphthalene-d8            | 10.234 | 136  | 1243413  | 20.000 | ng/ul  | 0.00     |
| 38) Acenaphthene-d10          | 14.110 | 164  | 707706   | 20.000 | ng/ul  | 0.00     |
| 64) Phenanthrene-d10          | 16.857 | 188  | 1324256  | 20.000 | ng/ul  | 0.00     |
| 79) Chrysene-d12              | 21.074 | 240  | 972354   | 20.000 | ng/ul  | 0.00     |
| 88) Perylene-d12              | 23.791 | 264  | 1052604  | 20.000 | ng/ul  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.052  | 96   | 243042   | 31.436 | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.452  | 84   | 1690300  | 84.077 | ng/ul  | -0.02    |
| 7) Phenol-d5                  | 6.728  | 99   | 2067147  | 79.008 | ng/ul  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 6.834  | 67   | 1458772  | 76.790 | ng/ul  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.034  | 132  | 1607215  | 82.199 | ng/ul  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.240  | 113  | 1580235  | 79.949 | ng/ul  | 0.00     |
| 21) Nitrobenzene-d5           | 8.634  | 128  | 803461   | 82.698 | ng/ul  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.339  | 143  | 882096   | 89.482 | ng/ul  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 9.892  | 165  | 1545729  | 84.197 | ng/ul  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.410 | 131  | 2005251  | 78.469 | ng/ul  | -0.01    |
| 46) Dimethylphthalate-d6      | 13.563 | 166  | 3938473  | 81.266 | ng/ul  | 0.00     |
| 49) Acenaphthylene-d8         | 13.804 | 160  | 4633809  | 81.189 | ng/ul  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.422 | 143  | 868990   | 84.260 | ng/ul  | 0.02     |
| 60) Fluorene-d10              | 15.110 | 176  | 3254873  | 78.660 | ng/ul  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.257 | 200  | 598011   | 88.658 | ng/ul  | 0.01     |
| 73) Anthracene-d10            | 16.957 | 188  | 4550865  | 78.616 | ng/ul  | 0.00     |
| 81) Pyrene-d10                | 19.256 | 212  | 4923635  | 80.804 | ng/ul  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.615 | 264  | 4157853  | 85.091 | ng/ul  | 0.01     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.081  | 88   | 266847   | 30.473 | ng/uL  | 95       |
| 5) Pyridine                   | 3.469  | 79   | 1751599  | 84.100 | ng/ul  | 94       |
| 6) Benzaldehyde               | 6.640  | 77   | 1002524  | 78.331 | ng/ul  | 99       |
| 8) Phenol                     | 6.751  | 94   | 2119171  | 78.023 | ng/ul  | 99       |
| 10) Bis(2-Chloroethyl)ether   | 6.928  | 93   | 1783791  | 77.969 | ng/ul  | 98       |
| 12) 2-Chlorophenol            | 7.063  | 128  | 1613165  | 78.541 | ng/ul  | 99       |
| 13) 2-Methylphenol            | 7.969  | 108  | 1597635  | 80.039 | ng/ul  | 95       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.004  | 45   | 3406375  | 76.061 | ng/ul  | 99       |
| 16) Acetophenone              | 8.304  | 105  | 2516241  | 76.740 | ng/ul  | 98       |
| 17) N-Nitroso-di-n-propyla... | 8.298  | 70   | 1381867  | 75.191 | ng/ul  | 98       |
| 18) 4-Methylphenol            | 8.298  | 108  | 1607489  | 78.032 | ng/ul  | 99       |
| 19) Hexachloroethane          | 8.534  | 117  | 773193   | 79.114 | ng/ul  | 98       |
| 22) Nitrobenzene              | 8.675  | 77   | 2130208  | 76.787 | ng/ul  | 97       |
| 23) Isophorone                | 9.204  | 82   | 3874068  | 79.235 | ng/ul  | 99       |
| 25) 2-Nitrophenol             | 9.375  | 139  | 915625   | 85.104 | ng/ul  | 93       |
| 26) 2,4-Dimethylphenol        | 9.475  | 107  | 1740889  | 79.780 | ng/ul  | 98       |
| 27) Bis(2-Chloroethoxy)met... | 9.681  | 93   | 2342677  | 79.330 | ng/ul  | 99       |
| 29) 2,4-Dichlorophenol        | 9.916  | 162  | 1484405  | 80.652 | ng/ul  | 98       |
| 30) Naphthalene               | 10.281 | 128  | 5120797  | 76.740 | ng/ul  | 99       |
| 32) 4-Chloroaniline           | 10.434 | 127  | 1946477  | 78.251 | ng/ul  | 98       |
| 33) Hexachlorobutadiene       | 10.575 | 225  | 998723   | 80.879 | ng/ul  | 99       |
| 34) Caprolactam               | 11.257 | 113  | 428434m  | 85.443 | ng/ul  |          |
| 35) 4-Chloro-3-methylphenol   | 11.592 | 107  | 1623889  | 81.803 | ng/ul  | 100      |
| 36) 2-Methylnaphthalene       | 11.898 | 142  | 3400011  | 77.870 | ng/ul  | 99       |

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| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 37) 1-Methylnaphthalene       | 12.128 | 142  | 3368313  | 77.154  | ng/ul | 100      |
| 39) 1,2,4,5-Tetrachloroben... | 12.280 | 216  | 1711486  | 80.395  | ng/ul | 97       |
| 40) Hexachlorocyclopentadiene | 12.263 | 237  | 1104466  | 84.811  | ng/ul | 98       |
| 41) 2,4,6-Trichlorophenol     | 12.545 | 196  | 1115876  | 89.687  | ng/ul | 98       |
| 42) 2,4,5-Trichlorophenol     | 12.633 | 196  | 1173932  | 87.730  | ng/ul | 99       |
| 43) 1,1'-Biphenyl             | 12.945 | 154  | 4171783  | 78.648  | ng/ul | 98       |
| 44) 2-Chloronaphthalene       | 12.975 | 162  | 3275976  | 79.392  | ng/ul | 100      |
| 45) 2-Nitroaniline            | 13.222 | 65   | 1219198  | 86.005  | ng/ul | 98       |
| 47) Dimethylphthalate         | 13.610 | 163  | 3935733  | 79.995  | ng/ul | 99       |
| 48) 2,6-Dinitrotoluene        | 13.716 | 165  | 839863   | 89.670  | ng/ul | 98       |
| 50) Acenaphthylene            | 13.833 | 152  | 5156529  | 77.779  | ng/ul | 99       |
| 51) 3-Nitroaniline            | 14.063 | 138  | 742407   | 85.028  | ng/ul | 97       |
| 52) Acenaphthene              | 14.174 | 153  | 3434976  | 77.783  | ng/ul | 100      |
| 53) 2,4-Dinitrophenol         | 14.251 | 184  | 392524   | 101.350 | ng/ul | 99       |
| 55) 4-Nitrophenol             | 14.433 | 109  | 703213   | 83.613  | ng/ul | 94       |
| 56) Dibenzofuran              | 14.516 | 168  | 4478642  | 76.047  | ng/ul | 99       |
| 57) 2,4-Dinitrotoluene        | 14.510 | 165  | 1117356  | 85.721  | ng/ul | 97       |
| 58) 2,3,4,6-Tetrachlorophenol | 14.763 | 232  | 895598   | 89.311  | ng/ul | 94       |
| 59) Diethylphthalate          | 14.974 | 149  | 3978749  | 80.759  | ng/ul | 99       |
| 61) Fluorene                  | 15.169 | 166  | 3578357  | 74.786  | ng/ul | 99       |
| 62) 4-Chlorophenyl-phenyle... | 15.169 | 204  | 1790319  | 75.911  | ng/ul | 98       |
| 63) 4-Nitroaniline            | 15.245 | 138  | 598931   | 83.364  | ng/ul | 94       |
| 66) 4,6-Dinitro-2-methylph... | 15.269 | 198  | 628847   | 85.730  | ng/ul | 97       |
| 67) N-Nitrosodiphenylamine    | 15.392 | 169  | 2917879  | 77.107  | ng/ul | 99       |
| 68) 4-Bromophenyl-phenylether | 16.063 | 248  | 1098735  | 79.518  | ng/ul | 98       |
| 69) Hexachlorobenzene         | 16.168 | 284  | 1207593  | 78.333  | ng/ul | 97       |
| 70) Atrazine                  | 16.368 | 200  | 884314   | 78.383  | ng/ul | 99       |
| 71) Pentachlorophenol         | 16.533 | 266  | 696403   | 92.016  | ng/ul | 97       |
| 72) Phenanthrene              | 16.904 | 178  | 5407600  | 77.222  | ng/ul | 99       |
| 74) Anthracene                | 16.992 | 178  | 5328419  | 76.128  | ng/ul | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 12.898 | 216  | 1705500  | 81.950  | ng/ul | 99       |
| 76) Pentachlorobenzene        | 14.433 | 250  | 1493835  | 76.995  | ng/ul | 97       |
| 77) Carbazole                 | 17.280 | 167  | 4600360  | 77.501  | ng/ul | 99       |
| 78) Di-n-butylphthalate       | 17.851 | 149  | 6582731  | 83.964  | ng/ul | 99       |
| 80) Fluoranthene              | 18.921 | 202  | 5970867  | 80.744  | ng/ul | 100      |
| 82) Pyrene                    | 19.286 | 202  | 5894916  | 77.473  | ng/ul | 98       |
| 83) Butylbenzylphthalate      | 20.215 | 149  | 2843467  | 91.445  | ng/ul | 97       |
| 84) 3,3'-Dichlorobenzidine    | 21.003 | 252  | 1601891  | 83.876  | ng/ul | 99       |
| 85) Benzo(a)anthracene        | 21.056 | 228  | 5418846  | 80.890  | ng/ul | 100      |
| 86) Bis(2-ethylhexyl)phtha... | 21.003 | 149  | 4110601  | 89.169  | ng/ul | 98       |
| 87) Chrysene                  | 21.115 | 228  | 4935600  | 80.151  | ng/ul | 99       |
| 89) Di-n-octyl phthalate      | 22.039 | 149  | 7013321  | 87.016  | ng/ul | 100      |
| 90) Benzo(b)fluoranthene      | 22.944 | 252  | 5302304  | 82.391  | ng/ul | 100      |
| 91) Benzo(k)fluoranthene      | 23.003 | 252  | 5113174  | 81.371  | ng/ul | 98       |
| 93) Benzo(a)pyrene            | 23.674 | 252  | 4729997  | 83.555  | ng/ul | 100      |
| 94) Indeno(1,2,3-cd)pyrene    | 26.815 | 276  | 5269560  | 87.377  | ng/ul | 99       |
| 95) Dibenzo(a,h)anthracene    | 26.862 | 278  | 4162356  | 88.621  | ng/ul | 100      |
| 96) Benzo(g,h,i)perylene      | 27.756 | 276  | 4529711  | 84.950  | ng/ul | 99       |

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

