

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM033024\  
 Data File : BM044826.D  
 Acq On : 30 Mar 2024 10:50  
 Operator : MA/JU  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTD020083

Manual Integrations  
 APPROVED

Reviewed By :Jagrut Upadhyay 04/01/2024  
 Supervised By :mohammad ahmed 04/02/2024

Quant Time: Mar 31 13:56:25 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM030524.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Sun Mar 31 13:54:26 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.669  | 152  | 97295    | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.445 | 136  | 409168   | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.316 | 164  | 244386   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.068 | 188  | 478203   | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.268 | 240  | 446276   | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 23.503 | 264  | 521967   | 20.000 | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.234  | 96   | 21467    | 7.483  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.634  | 84   | 143611   | 17.009 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 6.845  | 99   | 180010   | 17.996 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.016  | 67   | 114170   | 18.478 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.198  | 132  | 143335   | 19.499 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.375  | 113  | 138611   | 17.644 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 8.828  | 128  | 70850    | 20.563 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.539  | 143  | 78597    | 21.161 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.069 | 165  | 132566   | 20.971 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.592 | 131  | 194063   | 18.484 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.733 | 166  | 372445   | 19.428 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.004 | 160  | 426136   | 19.436 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.533 | 143  | 70192    | 17.656 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.316 | 176  | 305468   | 18.961 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.451 | 200  | 59535    | 19.179 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.168 | 188  | 458471   | 20.058 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.468 | 212  | 517167   | 18.894 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.362 | 264  | 539284   | 19.657 | ng/u1  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.263  | 88   | 21222    | 7.146  | ng/uL# | 89       |
| 5) Pyridine                   | 3.652  | 79   | 150515   | 17.188 | ng/u1# | 84       |
| 6) Benzaldehyde               | 6.828  | 77   | 105043   | 24.109 | ng/u1  | 93       |
| 8) Phenol                     | 6.869  | 94   | 183111   | 17.936 | ng/u1# | 89       |
| 10) Bis(2-Chloroethyl)ether   | 7.110  | 93   | 152089   | 18.143 | ng/u1  | 96       |
| 12) 2-Chlorophenol            | 7.234  | 128  | 146320   | 19.298 | ng/u1  | 96       |
| 13) 2-Methylphenol            | 8.110  | 108  | 136072   | 17.564 | ng/u1  | 98       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.187  | 45   | 241979   | 21.858 | ng/u1# | 93       |
| 16) Acetophenone              | 8.492  | 105  | 225935   | 18.544 | ng/u1# | 92       |
| 17) N-Nitroso-di-n-propyla... | 8.475  | 70   | 117607   | 18.683 | ng/u1# | 83       |
| 18) 4-Methylphenol            | 8.440  | 108  | 144404   | 17.123 | ng/u1  | 99       |
| 19) Hexachloroethane          | 8.722  | 117  | 67248    | 21.653 | ng/u1  | 94       |
| 22) Nitrobenzene              | 8.869  | 77   | 176534   | 21.605 | ng/u1  | 96       |
| 23) Isophorone                | 9.392  | 82   | 334523   | 20.067 | ng/u1  | 98       |
| 25) 2-Nitrophenol             | 9.575  | 139  | 84257    | 20.808 | ng/u1  | 93       |
| 26) 2,4-Dimethylphenol        | 9.634  | 107  | 154199   | 20.928 | ng/u1  | 94       |
| 27) Bis(2-Chloroethoxy)met... | 9.875  | 93   | 198113   | 18.897 | ng/u1  | 97       |
| 29) 2,4-Dichlorophenol        | 10.098 | 162  | 132282   | 20.960 | ng/u1  | 97       |
| 30) Naphthalene               | 10.492 | 128  | 458005   | 19.764 | ng/u1  | 99       |
| 32) 4-Chloroaniline           | 10.622 | 127  | 189541   | 18.727 | ng/u1  | 100      |
| 33) Hexachlorobutadiene       | 10.757 | 225  | 83018    | 23.470 | ng/u1  | 97       |
| 34) Caprolactam               | 11.416 | 113  | 42462    | 17.277 | ng/u1  | 92       |
| 35) 4-Chloro-3-methylphenol   | 11.745 | 107  | 141209   | 19.294 | ng/u1  | 99       |
| 36) 2-Methylnaphthalene       | 12.116 | 142  | 295766   | 19.192 | ng/u1  | 99       |

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| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 37) 1-Methylnaphthalene       | 12.333 | 142  | 294411   | 19.366 | ng/ul  | 99       |
| 39) 1,2,4,5-Tetrachloroben... | 12.480 | 216  | 145738   | 20.961 | ng/ul  | 98       |
| 40) Hexachlorocyclopentadiene | 12.451 | 237  | 87666    | 18.995 | ng/ul  | 98       |
| 41) 2,4,6-Trichlorophenol     | 12.733 | 196  | 99629    | 20.441 | ng/ul  | 98       |
| 42) 2,4,5-Trichlorophenol     | 12.810 | 196  | 107652   | 20.609 | ng/ul  | 97       |
| 43) 1,1'-Biphenyl             | 13.139 | 154  | 376332   | 19.392 | ng/ul  | 99       |
| 44) 2-Chloronaphthalene       | 13.180 | 162  | 300646   | 19.742 | ng/ul  | 99       |
| 45) 2-Nitroaniline            | 13.404 | 65   | 103978   | 21.749 | ng/ul  | 94       |
| 47) Dimethylphthalate         | 13.780 | 163  | 376546   | 19.303 | ng/ul  | 100      |
| 48) 2,6-Dinitrotoluene        | 13.910 | 165  | 76564    | 19.650 | ng/ul  | 95       |
| 50) Acenaphthylene            | 14.033 | 152  | 500271   | 19.577 | ng/ul  | 99       |
| 51) 3-Nitroaniline            | 14.239 | 138  | 80684    | 19.171 | ng/ul  | 89       |
| 52) Acenaphthene              | 14.374 | 153  | 325317   | 19.366 | ng/ul  | 99       |
| 53) 2,4-Dinitrophenol         | 14.457 | 184  | 41699    | 16.730 | ng/ul  | 87       |
| 55) 4-Nitrophenol             | 14.551 | 109  | 60939    | 21.877 | ng/ul# | 77       |
| 56) Dibenzofuran              | 14.716 | 168  | 435595   | 19.494 | ng/ul  | 98       |
| 57) 2,4-Dinitrotoluene        | 14.704 | 165  | 108002   | 19.202 | ng/ul# | 71       |
| 58) 2,3,4,6-Tetrachlorophenol | 14.945 | 232  | 86442    | 19.998 | ng/ul  | 98       |
| 59) Diethylphthalate          | 15.157 | 149  | 382836   | 18.910 | ng/ul  | 99       |
| 61) Fluorene                  | 15.368 | 166  | 353548   | 19.346 | ng/ul  | 97       |
| 62) 4-Chlorophenyl-phenyle... | 15.368 | 204  | 169099   | 19.936 | ng/ul  | 99       |
| 63) 4-Nitroaniline            | 15.410 | 138  | 79778m   | 19.833 | ng/ul  |          |
| 66) 4,6-Dinitro-2-methylph... | 15.463 | 198  | 65469    | 19.737 | ng/ul  | 91       |
| 67) N-Nitrosodiphenylamine    | 15.586 | 169  | 290629   | 20.179 | ng/ul  | 100      |
| 68) 4-Bromophenyl-phenylether | 16.263 | 248  | 102516   | 21.433 | ng/ul  | 98       |
| 69) Hexachlorobenzene         | 16.368 | 284  | 121509   | 22.303 | ng/ul  | 94       |
| 70) Atrazine                  | 16.551 | 200  | 99527    | 21.147 | ng/ul  | 97       |
| 71) Pentachlorophenol         | 16.721 | 266  | 74198    | 20.625 | ng/ul  | 95       |
| 72) Phenanthrene              | 17.115 | 178  | 534516   | 19.704 | ng/ul  | 99       |
| 74) Anthracene                | 17.204 | 178  | 551360   | 20.097 | ng/ul  | 100      |
| 75) 1,2,3,4-Tetrachloroben... | 13.098 | 216  | 142286   | 22.277 | ng/uL  | 98       |
| 76) Pentachlorobenzene        | 14.627 | 250  | 138736   | 22.467 | ng/uL  | 98       |
| 77) Carbazole                 | 17.480 | 167  | 502266   | 19.483 | ng/ul  | 99       |
| 78) Di-n-butylphthalate       | 18.051 | 149  | 664136   | 19.152 | ng/ul  | 99       |
| 80) Fluoranthene              | 19.133 | 202  | 612530   | 18.791 | ng/ul  | 96       |
| 82) Pyrene                    | 19.498 | 202  | 653215   | 19.248 | ng/ul  | 97       |
| 83) Butylbenzylphthalate      | 20.415 | 149  | 308163   | 18.467 | ng/ul  | 91       |
| 84) 3,3'-Dichlorobenzidine    | 21.198 | 252  | 219615   | 22.750 | ng/ul  | 99       |
| 85) Benzo(a)anthracene        | 21.256 | 228  | 654755   | 19.537 | ng/ul  | 100      |
| 86) Bis(2-ethylhexyl)phtha... | 21.198 | 149  | 469805   | 19.310 | ng/ul  | 97       |
| 87) Chrysene                  | 21.303 | 228  | 607460   | 19.578 | ng/ul  | 99       |
| 89) Di-n-octyl phthalate      | 22.080 | 149  | 817640   | 17.504 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 22.833 | 252  | 670236   | 19.190 | ng/ul  | 99       |
| 91) Benzo(k)fluoranthene      | 22.880 | 252  | 643377   | 18.808 | ng/ul  | 98       |
| 93) Benzo(a)pyrene            | 23.409 | 252  | 626040   | 19.161 | ng/ul  | 98       |
| 94) Indeno(1,2,3-cd)pyrene    | 25.756 | 276  | 778039   | 21.232 | ng/ul  | 97       |
| 95) Dibenzo(a,h)anthracene    | 25.774 | 278  | 656160   | 21.474 | ng/ul  | 97       |
| 96) Benzo(g,h,i)perylene      | 26.444 | 276  | 629692   | 21.533 | ng/ul  | 97       |

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

