

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM022424\  
 Data File : BM044305.D  
 Acq On : 24 Feb 2024 21:44  
 Operator : MA/JU  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 28 Sample Multiplier: 1

## Instrument :

BNA\_M

## ClientSampleId :

SSTD020196

## Manual Integrations

## APPROVED

Reviewed By :Yogesh Patel 02/26/2024

Supervised By :mohammad ahmed 02/26/2024

Quant Time: Feb 26 00:53:41 2024

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM022324.MA.M

Quant Title : SVOA CALIBRATION

QLast Update : Sun Feb 25 22:57:38 2024

Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.922  | 152  | 248079   | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.727 | 136  | 1095697  | 20.000 | ng/u1  | 0.01     |
| 38) Acenaphthene-d10          | 14.568 | 164  | 647936   | 20.000 | ng/u1  | 0.01     |
| 64) Phenanthrene-d10          | 17.315 | 188  | 1361050  | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.515 | 240  | 1197917  | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 23.927 | 264  | 1328928  | 20.000 | ng/u1  | 0.00     |
|                               |        |      |          |        |        |          |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.357  | 96   | 56848    | 7.230  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.769  | 84   | 405412   | 18.880 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 7.087  | 99   | 453094   | 19.066 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.263  | 67   | 288563   | 18.751 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.451  | 132  | 356649   | 19.926 | ng/u1  | 0.01     |
| 15) 4-Methylphenol-d8         | 8.633  | 113  | 349200   | 19.420 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 9.092  | 128  | 177063   | 19.875 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.810  | 143  | 186344   | 20.502 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.345 | 165  | 324870   | 20.262 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.875 | 131  | 519638   | 19.297 | ng/u1  | 0.01     |
| 46) Dimethylphthalate-d6      | 13.992 | 166  | 989917   | 19.810 | ng/u1  | 0.01     |
| 49) Acenaphthylene-d8         | 14.257 | 160  | 1147908  | 19.965 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.768 | 143  | 188875   | 18.994 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.562 | 176  | 839935   | 19.859 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.686 | 200  | 153135   | 18.133 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.415 | 188  | 1276196  | 19.665 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.715 | 212  | 1429394  | 19.834 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.768 | 264  | 1346893  | 19.779 | ng/u1  | 0.00     |
|                               |        |      |          |        |        |          |
| Target Compounds              |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.393  | 88   | 61097    | 7.372  | ng/uL  | 95       |
| 5) Pyridine                   | 3.787  | 79   | 428931   | 19.093 | ng/u1  | 99       |
| 6) Benzaldehyde               | 7.069  | 77   | 255918m  | 24.808 | ng/u1  |          |
| 8) Phenol                     | 7.116  | 94   | 470983   | 19.066 | ng/u1  | 99       |
| 10) Bis(2-Chloroethyl)ether   | 7.357  | 93   | 393805   | 19.046 | ng/u1  | 99       |
| 12) 2-Chlorophenol            | 7.481  | 128  | 370033   | 19.983 | ng/u1  | 97       |
| 13) 2-Methylphenol            | 8.369  | 108  | 348856   | 19.168 | ng/u1  | 99       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.451  | 45   | 524632   | 18.558 | ng/u1  | 98       |
| 16) Acetophenone              | 8.757  | 105  | 574081   | 19.983 | ng/u1  | 97       |
| 17) N-Nitroso-di-n-propyla... | 8.739  | 70   | 299733   | 20.827 | ng/u1  | 99       |
| 18) 4-Methylphenol            | 8.698  | 108  | 377149   | 19.454 | ng/u1  | 96       |
| 19) Hexachloroethane          | 8.992  | 117  | 150620   | 19.173 | ng/u1  | 95       |
| 22) Nitrobenzene              | 9.133  | 77   | 420153   | 19.501 | ng/u1  | 98       |
| 23) Isophorone                | 9.663  | 82   | 835538   | 20.010 | ng/u1  | 98       |
| 25) 2-Nitrophenol             | 9.845  | 139  | 203974   | 20.234 | ng/u1  | 96       |
| 26) 2,4-Dimethylphenol        | 9.904  | 107  | 379741   | 19.728 | ng/u1  | 99       |
| 27) Bis(2-Chloroethoxy)met... | 10.151 | 93   | 524251   | 19.313 | ng/u1  | 99       |
| 29) 2,4-Dichlorophenol        | 10.375 | 162  | 327172   | 20.162 | ng/u1  | 98       |
| 30) Naphthalene               | 10.775 | 128  | 1202311  | 19.294 | ng/u1  | 100      |
| 32) 4-Chloroaniline           | 10.898 | 127  | 508625   | 19.383 | ng/u1  | 98       |
| 33) Hexachlorobutadiene       | 11.051 | 225  | 187999   | 19.231 | ng/u1  | 99       |
| 34) Caprolactam               | 11.674 | 113  | 109206   | 19.469 | ng/u1  | 93       |
| 35) 4-Chloro-3-methylphenol   | 12.022 | 107  | 358677   | 20.747 | ng/u1  | 97       |
| 36) 2-Methylnaphthalene       | 12.392 | 142  | 790248   | 19.909 | ng/u1  | 99       |

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|-------------------------------|--------|------|----------|--------|-------|----------|
| 37) 1-Methylnaphthalene       | 12.610 | 142  | 781220   | 19.910 | ng/ul | 100      |
| 39) 1,2,4,5-Tetrachloroben... | 12.751 | 216  | 367114   | 19.140 | ng/ul | 100      |
| 40) Hexachlorocyclopentadiene | 12.721 | 237  | 229302   | 17.769 | ng/ul | 99       |
| 41) 2,4,6-Trichlorophenol     | 12.998 | 196  | 248418   | 20.319 | ng/ul | 99       |
| 42) 2,4,5-Trichlorophenol     | 13.069 | 196  | 268162   | 20.290 | ng/ul | 96       |
| 43) 1,1'-Biphenyl             | 13.404 | 154  | 1009392  | 19.136 | ng/ul | 98       |
| 44) 2-Chloronaphthalene       | 13.445 | 162  | 803063   | 19.443 | ng/ul | 99       |
| 45) 2-Nitroaniline            | 13.657 | 65   | 235196   | 20.567 | ng/ul | 99       |
| 47) Dimethylphthalate         | 14.039 | 163  | 1010709  | 19.789 | ng/ul | 99       |
| 48) 2,6-Dinitrotoluene        | 14.157 | 165  | 195623   | 20.481 | ng/ul | 97       |
| 50) Acenaphthylene            | 14.286 | 152  | 1348437  | 19.801 | ng/ul | 99       |
| 51) 3-Nitroaniline            | 14.486 | 138  | 208218   | 20.664 | ng/ul | 98       |
| 52) Acenaphthene              | 14.627 | 153  | 876267   | 19.491 | ng/ul | 99       |
| 53) 2,4-Dinitrophenol         | 14.692 | 184  | 100669   | 16.985 | ng/ul | 96       |
| 55) 4-Nitrophenol             | 14.786 | 109  | 130299   | 19.074 | ng/ul | 95       |
| 56) Dibenzofuran              | 14.968 | 168  | 1181178  | 19.571 | ng/ul | 99       |
| 57) 2,4-Dinitrotoluene        | 14.939 | 165  | 286937   | 20.911 | ng/ul | 100      |
| 58) 2,3,4,6-Tetrachlorophenol | 15.192 | 232  | 223618   | 21.023 | ng/ul | 98       |
| 59) Diethylphthalate          | 15.404 | 149  | 1063932  | 20.237 | ng/ul | 99       |
| 61) Fluorene                  | 15.615 | 166  | 966686   | 19.943 | ng/ul | 99       |
| 62) 4-Chlorophenyl-phenyle... | 15.615 | 204  | 462115   | 20.229 | ng/ul | 98       |
| 63) 4-Nitroaniline            | 15.645 | 138  | 219292   | 22.501 | ng/ul | 98       |
| 66) 4,6-Dinitro-2-methylph... | 15.698 | 198  | 169051   | 18.299 | ng/ul | 97       |
| 67) N-Nitrosodiphenylamine    | 15.833 | 169  | 815603   | 19.774 | ng/ul | 99       |
| 68) 4-Bromophenyl-phenylether | 16.515 | 248  | 265188   | 19.610 | ng/ul | 95       |
| 69) Hexachlorobenzene         | 16.609 | 284  | 307837   | 19.889 | ng/ul | 97       |
| 70) Atrazine                  | 16.792 | 200  | 268401   | 19.865 | ng/ul | 98       |
| 71) Pentachlorophenol         | 16.962 | 266  | 192050   | 18.829 | ng/ul | 99       |
| 72) Phenanthrene              | 17.356 | 178  | 1506356  | 19.293 | ng/ul | 99       |
| 74) Anthracene                | 17.451 | 178  | 1534270  | 19.517 | ng/ul | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 13.363 | 216  | 359572   | 18.873 | ng/ul | 99       |
| 76) Pentachlorobenzene        | 14.880 | 250  | 349662   | 19.225 | ng/ul | 97       |
| 77) Carbazole                 | 17.727 | 167  | 1424539  | 19.272 | ng/ul | 99       |
| 78) Di-n-butylphthalate       | 18.303 | 149  | 1921267  | 20.528 | ng/ul | 100      |
| 80) Fluoranthene              | 19.380 | 202  | 1696742  | 19.631 | ng/ul | 98       |
| 82) Pyrene                    | 19.745 | 202  | 1778357  | 19.619 | ng/ul | 99       |
| 83) Butylbenzylphthalate      | 20.662 | 149  | 843165   | 20.709 | ng/ul | 100      |
| 84) 3,3'-Dichlorobenzidine    | 21.444 | 252  | 546350   | 20.390 | ng/ul | 98       |
| 85) Benzo(a)anthracene        | 21.503 | 228  | 1775610  | 19.874 | ng/ul | 99       |
| 86) Bis(2-ethylhexyl)phtha... | 21.450 | 149  | 1331032  | 21.353 | ng/ul | 100      |
| 87) Chrysene                  | 21.556 | 228  | 1653812  | 19.693 | ng/ul | 100      |
| 89) Di-n-octyl phthalate      | 22.391 | 149  | 2258992  | 19.840 | ng/ul | 100      |
| 90) Benzo(b)fluoranthene      | 23.191 | 252  | 1690110  | 19.838 | ng/ul | 100      |
| 91) Benzo(k)fluoranthene      | 23.244 | 252  | 1729996  | 19.771 | ng/ul | 99       |
| 93) Benzo(a)pyrene            | 23.821 | 252  | 1618533  | 19.705 | ng/ul | 99       |
| 94) Indeno(1,2,3-cd)pyrene    | 26.432 | 276  | 1905905  | 19.187 | ng/ul | 99       |
| 95) Dibenzo(a,h)anthracene    | 26.462 | 278  | 1591237  | 19.170 | ng/ul | 99       |
| 96) Benzo(g,h,i)perylene      | 27.197 | 276  | 1512057  | 18.818 | ng/ul | 98       |

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

