

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM030624\  
 Data File : BM044555.D  
 Acq On : 07 Mar 2024 17:51  
 Operator : MA/JU  
 Sample : SSTDCCC020EC  
 Misc :  
 ALS Vial : 47 Sample Multiplier: 1

## Instrument :

BNA\_M

## ClientSampleId :

SSTD020067

## Manual Integrations

## APPROVED

Reviewed By :Yogesh Patel 03/08/2024

Supervised By :mohammad ahmed 03/09/2024

Quant Time: Mar 07 23:59:22 2024

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM030524.MA.M

Quant Title : SVOA CALIBRATION

QLast Update : Tue Mar 05 23:05:11 2024

Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.722  | 152  | 272874   | 20.000 | ng/u1  | -0.01    |
| 20) Naphthalene-d8            | 10.504 | 136  | 1227184  | 20.000 | ng/u1  | -0.01    |
| 38) Acenaphthene-d10          | 14.363 | 164  | 773744   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.121 | 188  | 1581504  | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.315 | 240  | 1423806  | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 23.568 | 264  | 1468587  | 20.000 | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.275  | 96   | 53618    | 6.664  | ng/uL  | -0.01    |
| 4) Pyridine-d5                | 3.669  | 84   | 410068   | 17.317 | ng/u1  | -0.01    |
| 7) Phenol-d5                  | 6.893  | 99   | 507516   | 18.090 | ng/u1  | -0.01    |
| 9) Bis-(2-Chloroethyl)eth...  | 7.069  | 67   | 327049   | 18.873 | ng/u1  | -0.01    |
| 11) 2-Chlorophenol-d4         | 7.251  | 132  | 386679   | 18.756 | ng/u1  | -0.02    |
| 15) 4-Methylphenol-d8         | 8.422  | 113  | 399650   | 18.139 | ng/u1  | -0.02    |
| 21) Nitrobenzene-d5           | 8.881  | 128  | 200881   | 19.439 | ng/u1  | -0.01    |
| 24) 2-Nitrophenol-d4          | 9.592  | 143  | 217625   | 19.535 | ng/u1  | -0.01    |
| 28) 2,4-Dichlorophenol-d3     | 10.122 | 165  | 381845   | 20.140 | ng/u1  | -0.02    |
| 31) 4-Chloroaniline-d4        | 10.651 | 131  | 601115   | 19.090 | ng/u1  | -0.01    |
| 46) Dimethylphthalate-d6      | 13.786 | 166  | 1145359  | 18.871 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.057 | 160  | 1315651  | 18.953 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.575 | 143  | 230918   | 18.346 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.363 | 176  | 973466   | 19.086 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.492 | 200  | 185794   | 18.098 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.215 | 188  | 1485058  | 19.645 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.515 | 212  | 1694465  | 19.404 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.427 | 264  | 1471533  | 19.064 | ng/u1  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.311  | 88   | 59103    | 7.096  | ng/uL  | 95       |
| 5) Pyridine                   | 3.693  | 79   | 426503   | 17.366 | ng/u1  | 99       |
| 6) Benzaldehyde               | 6.881  | 77   | 286444   | 23.441 | ng/u1  | 97       |
| 8) Phenol                     | 6.916  | 94   | 521908   | 18.228 | ng/u1  | 97       |
| 10) Bis(2-Chloroethyl)ether   | 7.163  | 93   | 433550   | 18.441 | ng/u1  | 97       |
| 12) 2-Chlorophenol            | 7.287  | 128  | 397931   | 18.713 | ng/u1  | 99       |
| 13) 2-Methylphenol            | 8.157  | 108  | 391127   | 18.001 | ng/u1  | 99       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.245  | 45   | 617006   | 19.872 | ng/u1  | 97       |
| 16) Acetophenone              | 8.545  | 105  | 655870   | 19.194 | ng/u1  | 96       |
| 17) N-Nitroso-di-n-propyla... | 8.534  | 70   | 347294   | 19.672 | ng/u1  | 96       |
| 18) 4-Methylphenol            | 8.487  | 108  | 430997   | 18.223 | ng/u1  | 97       |
| 19) Hexachloroethane          | 8.781  | 117  | 160834   | 18.464 | ng/u1  | 95       |
| 22) Nitrobenzene              | 8.922  | 77   | 487067   | 19.875 | ng/u1  | 97       |
| 23) Isophorone                | 9.445  | 82   | 972742   | 19.456 | ng/u1  | 98       |
| 25) 2-Nitrophenol             | 9.628  | 139  | 234780   | 19.332 | ng/u1  | 100      |
| 26) 2,4-Dimethylphenol        | 9.687  | 107  | 423421   | 19.161 | ng/u1  | 99       |
| 27) Bis(2-Chloroethoxy)met... | 9.934  | 93   | 602312   | 19.155 | ng/u1  | 99       |
| 29) 2,4-Dichlorophenol        | 10.151 | 162  | 379599   | 20.055 | ng/u1  | 99       |
| 30) Naphthalene               | 10.551 | 128  | 1360419  | 19.573 | ng/u1  | 100      |
| 32) 4-Chloroaniline           | 10.675 | 127  | 579394   | 19.086 | ng/u1  | 99       |
| 33) Hexachlorobutadiene       | 10.822 | 225  | 217890   | 20.538 | ng/u1  | 98       |
| 34) Caprolactam               | 11.457 | 113  | 130378   | 17.687 | ng/u1  | 97       |
| 35) 4-Chloro-3-methylphenol   | 11.792 | 107  | 430736   | 19.623 | ng/u1  | 99       |
| 36) 2-Methylnaphthalene       | 12.169 | 142  | 926026   | 20.035 | ng/u1  | 100      |

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### Manual Integrations APPROVED

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| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 37) 1-Methylnaphthalene       | 12.392 | 142  | 902295   | 19.789 | ng/ul | 99       |
| 39) 1,2,4,5-Tetrachloroben... | 12.539 | 216  | 432853   | 19.664 | ng/ul | 98       |
| 40) Hexachlorocyclopentadiene | 12.510 | 237  | 305271   | 20.891 | ng/ul | 99       |
| 41) 2,4,6-Trichlorophenol     | 12.786 | 196  | 295466   | 19.147 | ng/ul | 100      |
| 42) 2,4,5-Trichlorophenol     | 12.857 | 196  | 319292   | 19.307 | ng/ul | 96       |
| 43) 1,1'-Biphenyl             | 13.192 | 154  | 1182706  | 19.249 | ng/ul | 99       |
| 44) 2-Chloronaphthalene       | 13.233 | 162  | 927462   | 19.236 | ng/ul | 99       |
| 45) 2-Nitroaniline            | 13.451 | 65   | 292853   | 19.347 | ng/ul | 97       |
| 47) Dimethylphthalate         | 13.833 | 163  | 1156187  | 18.720 | ng/ul | 99       |
| 48) 2,6-Dinitrotoluene        | 13.957 | 165  | 230326   | 18.670 | ng/ul | 98       |
| 50) Acenaphthylene            | 14.086 | 152  | 1570665  | 19.414 | ng/ul | 99       |
| 51) 3-Nitroaniline            | 14.286 | 138  | 254431   | 19.094 | ng/ul | 98       |
| 52) Acenaphthene              | 14.427 | 153  | 1023889  | 19.251 | ng/ul | 98       |
| 53) 2,4-Dinitrophenol         | 14.492 | 184  | 140154   | 17.761 | ng/ul | 97       |
| 55) 4-Nitrophenol             | 14.592 | 109  | 166494   | 18.879 | ng/ul | 98       |
| 56) Dibenzofuran              | 14.769 | 168  | 1379386  | 19.497 | ng/ul | 97       |
| 57) 2,4-Dinitrotoluene        | 14.745 | 165  | 333841   | 18.747 | ng/ul | 97       |
| 58) 2,3,4,6-Tetrachlorophenol | 14.992 | 232  | 266476   | 19.471 | ng/ul | 98       |
| 59) Diethylphthalate          | 15.204 | 149  | 1181272  | 18.429 | ng/ul | 99       |
| 61) Fluorene                  | 15.422 | 166  | 1133319  | 19.587 | ng/ul | 100      |
| 62) 4-Chlorophenyl-phenyle... | 15.422 | 204  | 535513   | 19.941 | ng/ul | 96       |
| 63) 4-Nitroaniline            | 15.457 | 138  | 255386m  | 20.053 | ng/ul |          |
| 66) 4,6-Dinitro-2-methylph... | 15.504 | 198  | 202337   | 18.444 | ng/ul | 96       |
| 67) N-Nitrosodiphenylamine    | 15.633 | 169  | 935138   | 19.633 | ng/ul | 99       |
| 68) 4-Bromophenyl-phenylether | 16.316 | 248  | 315750   | 19.961 | ng/ul | 97       |
| 69) Hexachlorobenzene         | 16.416 | 284  | 372513   | 20.675 | ng/ul | 94       |
| 70) Atrazine                  | 16.598 | 200  | 307494   | 19.755 | ng/ul | 99       |
| 71) Pentachlorophenol         | 16.763 | 266  | 226965   | 19.077 | ng/ul | 97       |
| 72) Phenanthrene              | 17.163 | 178  | 1745508  | 19.456 | ng/ul | 99       |
| 74) Anthracene                | 17.251 | 178  | 1789461  | 19.723 | ng/ul | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 13.151 | 216  | 424345   | 20.089 | ng/uL | 100      |
| 76) Pentachlorobenzene        | 14.680 | 250  | 420198   | 20.576 | ng/uL | 99       |
| 77) Carbazole                 | 17.527 | 167  | 1672101  | 19.612 | ng/ul | 99       |
| 78) Di-n-butylphthalate       | 18.104 | 149  | 2071189  | 18.060 | ng/ul | 100      |
| 80) Fluoranthene              | 19.180 | 202  | 1997099  | 19.203 | ng/ul | 99       |
| 82) Pyrene                    | 19.545 | 202  | 2114704  | 19.531 | ng/ul | 99       |
| 83) Butylbenzylphthalate      | 20.462 | 149  | 918193   | 17.247 | ng/ul | 95       |
| 84) 3,3'-Dichlorobenzidine    | 21.239 | 252  | 634758   | 20.610 | ng/ul | 98       |
| 85) Benzo(a)anthracene        | 21.298 | 228  | 2019898  | 18.891 | ng/ul | 100      |
| 86) Bis(2-ethylhexyl)phtha... | 21.245 | 149  | 1410123  | 18.166 | ng/ul | 100      |
| 87) Chrysene                  | 21.351 | 228  | 1858366  | 18.773 | ng/ul | 99       |
| 89) Di-n-octyl phthalate      | 22.139 | 149  | 2371863  | 18.047 | ng/ul | 100      |
| 90) Benzo(b)fluoranthene      | 22.892 | 252  | 1871245  | 19.042 | ng/ul | 99       |
| 91) Benzo(k)fluoranthene      | 22.939 | 252  | 1863192  | 19.359 | ng/ul | 99       |
| 93) Benzo(a)pyrene            | 23.474 | 252  | 1723595  | 18.750 | ng/ul | 99       |
| 94) Indeno(1,2,3-cd)pyrene    | 25.850 | 276  | 1846873  | 17.913 | ng/ul | 99       |
| 95) Dibenzo(a,h)anthracene    | 25.868 | 278  | 1576510  | 18.338 | ng/ul | 98       |
| 96) Benzo(g,h,i)perylene      | 26.544 | 276  | 1427954  | 17.355 | ng/ul | 98       |

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

