

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM110824\  
 Data File : BM048520.D  
 Acq On : 08 Nov 2024 08:20  
 Operator : RC/JU  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

## Instrument :

BNA\_M

## ClientSampleId :

SSTD020196

## Manual Integrations

## APPROVED

Reviewed By :Yogesh Patel 11/10/2024

Supervised By :mohammad ahmed 11/11/2024

11/10/2024

Supervised By :mohammad  
ahmed

11/11/2024

Quant Time: Nov 08 09:53:16 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM110724.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Nov 07 22:50:20 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.663  | 152  | 128871   | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.451 | 136  | 513460   | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.310 | 164  | 308352   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.057 | 188  | 618749   | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.280 | 240  | 631460   | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 24.191 | 264  | 750751   | 20.000 | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.128  | 96   | 26992    | 8.350  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.546  | 84   | 178004   | 19.980 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 6.845  | 99   | 198482   | 20.232 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 6.998  | 67   | 122826   | 20.845 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.198  | 132  | 171431   | 21.096 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.381  | 113  | 154647   | 20.048 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 8.822  | 128  | 80760    | 21.701 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.539  | 143  | 83201    | 21.019 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.081 | 165  | 156612   | 21.298 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.598 | 131  | 214047   | 20.493 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.727 | 166  | 416844   | 21.177 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.004 | 160  | 497559   | 21.440 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.533 | 143  | 72867    | 19.931 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.310 | 176  | 366470   | 21.329 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.439 | 200  | 60665    | 19.490 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.157 | 188  | 571238   | 21.816 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.450 | 212  | 673624   | 21.256 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.991 | 264  | 752347   | 21.448 | ng/u1  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.163  | 88   | 29060    | 8.191  | ng/uL  | 97       |
| 5) Pyridine                   | 3.563  | 79   | 191110   | 20.897 | ng/u1  | 98       |
| 6) Benzaldehyde               | 6.810  | 77   | 123081   | 25.389 | ng/u1  | 98       |
| 8) Phenol                     | 6.875  | 94   | 209984   | 20.401 | ng/u1  | 99       |
| 10) Bis(2-Chloroethyl)ether   | 7.092  | 93   | 166386   | 20.570 | ng/u1  | 99       |
| 12) 2-Chlorophenol            | 7.234  | 128  | 175541   | 20.851 | ng/u1  | 99       |
| 13) 2-Methylphenol            | 8.116  | 108  | 156182   | 20.498 | ng/u1  | 97       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.187  | 45   | 249099   | 20.941 | ng/u1  | 99       |
| 16) Acetophenone              | 8.486  | 105  | 253498   | 21.083 | ng/u1  | 100      |
| 17) N-Nitroso-di-n-propyla... | 8.475  | 70   | 119513   | 21.150 | ng/u1  | 99       |
| 18) 4-Methylphenol            | 8.445  | 108  | 171021   | 20.499 | ng/u1  | 97       |
| 19) Hexachloroethane          | 8.734  | 117  | 73371    | 20.623 | ng/u1  | 97       |
| 22) Nitrobenzene              | 8.863  | 77   | 183076   | 21.696 | ng/u1  | 96       |
| 23) Isophorone                | 9.392  | 82   | 329020   | 21.080 | ng/u1  | 99       |
| 25) 2-Nitrophenol             | 9.575  | 139  | 92846    | 21.523 | ng/u1  | 97       |
| 26) 2,4-Dimethylphenol        | 9.639  | 107  | 170583   | 21.170 | ng/u1  | 99       |
| 27) Bis(2-Chloroethoxy)met... | 9.869  | 93   | 208107   | 21.360 | ng/u1  | 99       |
| 29) 2,4-Dichlorophenol        | 10.110 | 162  | 158698   | 21.276 | ng/u1  | 97       |
| 30) Naphthalene               | 10.498 | 128  | 546935   | 21.045 | ng/u1  | 99       |
| 32) 4-Chloroaniline           | 10.622 | 127  | 201942   | 20.505 | ng/u1  | 97       |
| 33) Hexachlorobutadiene       | 10.786 | 225  | 107760   | 21.348 | ng/u1  | 98       |
| 34) Caprolactam               | 11.398 | 113  | 46213m   | 19.658 | ng/u1  |          |
| 35) 4-Chloro-3-methylphenol   | 11.757 | 107  | 152556   | 21.136 | ng/u1  | 98       |
| 36) 2-Methylnaphthalene       | 12.122 | 142  | 352284   | 21.185 | ng/u1  | 98       |

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## Manual Integrations

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Reviewed By :Yogesh Patel 11/10/2024

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Quant Time: Nov 08 09:53:16 2024

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM110724.MA.M

Quant Title : SVOA CALIBRATION

QLast Update : Thu Nov 07 22:50:20 2024

Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 37) 1-Methylnaphthalene       | 12.339 | 142  | 359601   | 21.072 | ng/ul  | 97       |
| 39) 1,2,4,5-Tetrachloroben... | 12.498 | 216  | 188294   | 21.310 | ng/ul  | 99       |
| 40) Hexachlorocyclopentadiene | 12.469 | 237  | 88878    | 19.678 | ng/ul  | 99       |
| 41) 2,4,6-Trichlorophenol     | 12.745 | 196  | 118220   | 21.181 | ng/ul  | 98       |
| 42) 2,4,5-Trichlorophenol     | 12.822 | 196  | 127291   | 21.416 | ng/ul  | 97       |
| 43) 1,1'-Biphenyl             | 13.139 | 154  | 453808   | 21.524 | ng/ul  | 100      |
| 44) 2-Chloronaphthalene       | 13.180 | 162  | 356030   | 21.399 | ng/ul  | 98       |
| 45) 2-Nitroaniline            | 13.398 | 65   | 90898    | 21.756 | ng/ul  | 98       |
| 47) Dimethylphthalate         | 13.774 | 163  | 417051   | 21.093 | ng/ul  | 99       |
| 48) 2,6-Dinitrotoluene        | 13.898 | 165  | 81549    | 21.635 | ng/ul  | 97       |
| 50) Acenaphthylene            | 14.033 | 152  | 549807   | 21.493 | ng/ul  | 100      |
| 51) 3-Nitroaniline            | 14.233 | 138  | 85087    | 20.787 | ng/ul  | 95       |
| 52) Acenaphthene              | 14.374 | 153  | 383002   | 21.267 | ng/ul  | 99       |
| 53) 2,4-Dinitrophenol         | 14.445 | 184  | 32815    | 16.192 | ng/ul  | 95       |
| 55) 4-Nitrophenol             | 14.551 | 109  | 52016    | 19.680 | ng/ul  | 96       |
| 56) Dibenzofuran              | 14.715 | 168  | 533409   | 21.471 | ng/ul  | 98       |
| 57) 2,4-Dinitrotoluene        | 14.692 | 165  | 122087   | 22.283 | ng/ul# | 95       |
| 58) 2,3,4,6-Tetrachlorophenol | 14.945 | 232  | 106504   | 21.541 | ng/ul  | 99       |
| 59) Diethylphthalate          | 15.139 | 149  | 416184   | 21.364 | ng/ul  | 98       |
| 61) Fluorene                  | 15.363 | 166  | 425770   | 21.647 | ng/ul  | 99       |
| 62) 4-Chlorophenyl-phenyle... | 15.357 | 204  | 210240   | 21.696 | ng/ul  | 99       |
| 63) 4-Nitroaniline            | 15.398 | 138  | 86769m   | 21.527 | ng/ul  |          |
| 66) 4,6-Dinitro-2-methylph... | 15.457 | 198  | 67761    | 20.005 | ng/ul  | 97       |
| 67) N-Nitrosodiphenylamine    | 15.574 | 169  | 354167   | 21.718 | ng/ul  | 99       |
| 68) 4-Bromophenyl-phenylether | 16.251 | 248  | 123884   | 21.230 | ng/ul  | 96       |
| 69) Hexachlorobenzene         | 16.368 | 284  | 151359   | 21.492 | ng/ul  | 97       |
| 70) Atrazine                  | 16.533 | 200  | 124863   | 21.037 | ng/ul  | 99       |
| 71) Pentachlorophenol         | 16.715 | 266  | 93842    | 20.965 | ng/ul  | 93       |
| 72) Phenanthrene              | 17.098 | 178  | 663253   | 21.613 | ng/ul  | 100      |
| 74) Anthracene                | 17.192 | 178  | 668587   | 21.709 | ng/ul  | 98       |
| 75) 1,2,3,4-Tetrachloroben... | 13.104 | 216  | 185357   | 20.999 | ng/uL  | 98       |
| 76) Pentachlorobenzene        | 14.633 | 250  | 180057   | 20.937 | ng/uL  | 97       |
| 77) Carbazole                 | 17.468 | 167  | 614681   | 22.158 | ng/ul  | 99       |
| 78) Di-n-butylphthalate       | 18.027 | 149  | 706850   | 21.673 | ng/ul  | 100      |
| 80) Fluoranthene              | 19.121 | 202  | 770956   | 20.967 | ng/ul  | 99       |
| 82) Pyrene                    | 19.480 | 202  | 852594   | 21.384 | ng/ul  | 99       |
| 83) Butylbenzylphthalate      | 20.380 | 149  | 322368   | 21.049 | ng/ul  | 96       |
| 84) 3,3'-Dichlorobenzidine    | 21.192 | 252  | 273448   | 23.834 | ng/ul  | 98       |
| 85) Benzo(a)anthracene        | 21.262 | 228  | 854742   | 21.473 | ng/ul  | 100      |
| 86) Bis(2-ethylhexyl)phtha... | 21.192 | 149  | 467858   | 20.941 | ng/ul  | 98       |
| 87) Chrysene                  | 21.327 | 228  | 817395   | 21.369 | ng/ul  | 100      |
| 89) Di-n-octyl phthalate      | 22.291 | 149  | 817733   | 19.322 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 23.274 | 252  | 876731   | 21.214 | ng/ul  | 99       |
| 91) Benzo(k)fluoranthene      | 23.338 | 252  | 900537   | 21.855 | ng/ul  | 99       |
| 93) Benzo(a)pyrene            | 24.056 | 252  | 839788   | 21.613 | ng/ul  | 99       |
| 94) Indeno(1,2,3-cd)pyrene    | 27.462 | 276  | 1092214  | 21.630 | ng/ul  | 99       |
| 95) Dibenzo(a,h)anthracene    | 27.509 | 278  | 890235   | 21.584 | ng/ul  | 99       |
| 96) Benzo(g,h,i)perylene      | 28.485 | 276  | 852499   | 21.531 | ng/ul  | 98       |

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

