

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM120922\  
 Data File : BM037908.D  
 Acq On : 09 Dec 2022 09:46  
 Operator : CG/JU  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

## Instrument :

BNA\_M

## ClientSampleId :

SSTD020069

## Manual Integrations

## APPROVED

Reviewed By :Jagrut Upadhyay 12/10/2022  
 Supervised By :mohammad ahmed 12/10/2022

Quant Time: Dec 09 21:46:20 2022

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM120722.M

Quant Title : SVOA CALIBRATION

QLast Update : Fri Dec 09 21:34:57 2022

Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.081  | 152  | 208938   | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.904 | 136  | 886392   | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.710 | 164  | 546465   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.451 | 188  | 1073698  | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.621 | 240  | 753991   | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 24.103 | 264  | 801699   | 20.000 | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.422  | 96   | 32266m   | 7.012  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.857  | 84   | 249959   | 18.311 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 7.240  | 99   | 324583   | 19.117 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.404  | 67   | 190464   | 18.423 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.610  | 132  | 273818   | 19.660 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.792  | 113  | 255204   | 19.256 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 9.257  | 128  | 139240   | 19.840 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.981  | 143  | 151298   | 20.572 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.522 | 165  | 281988   | 20.186 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 11.039 | 131  | 372228   | 19.303 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 14.122 | 166  | 771320   | 19.798 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.410 | 160  | 930093   | 19.533 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.904 | 143  | 111053   | 16.726 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.698 | 176  | 689029   | 19.851 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.816 | 200  | 90375    | 15.744 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.551 | 188  | 997772   | 19.911 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.833 | 212  | 966309   | 21.335 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.944 | 264  | 799427   | 19.964 | ng/u1  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.458  | 88   | 32411    | 6.714  | ng/uL  | 95       |
| 5) Pyridine                   | 3.875  | 79   | 245564   | 17.900 | ng/u1  | 96       |
| 6) Benzaldehyde               | 7.216  | 77   | 122302   | 19.259 | ng/u1  | 99       |
| 8) Phenol                     | 7.263  | 94   | 317396   | 18.639 | ng/u1  | 97       |
| 10) Bis(2-Chloroethyl)ether   | 7.498  | 93   | 263600   | 18.852 | ng/u1  | 98       |
| 12) 2-Chlorophenol            | 7.640  | 128  | 283928   | 19.933 | ng/u1  | 99       |
| 13) 2-Methylphenol            | 8.528  | 108  | 249711   | 19.163 | ng/u1  | 97       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.616  | 45   | 458310   | 18.152 | ng/u1  | 98       |
| 16) Acetophenone              | 8.916  | 105  | 412386   | 19.784 | ng/u1  | 100      |
| 17) N-Nitroso-di-n-propyla... | 8.898  | 70   | 193020   | 19.658 | ng/u1  | 98       |
| 18) 4-Methylphenol            | 8.857  | 108  | 270710   | 19.204 | ng/u1  | 98       |
| 19) Hexachloroethane          | 9.169  | 117  | 104488   | 18.349 | ng/u1  | 94       |
| 22) Nitrobenzene              | 9.298  | 77   | 294424   | 19.497 | ng/u1  | 97       |
| 23) Isophorone                | 9.828  | 82   | 528538   | 19.100 | ng/u1  | 98       |
| 25) 2-Nitrophenol             | 10.010 | 139  | 154899   | 20.089 | ng/u1  | 97       |
| 26) 2,4-Dimethylphenol        | 10.069 | 107  | 301382   | 20.212 | ng/u1  | 98       |
| 27) Bis(2-Chloroethoxy)met... | 10.304 | 93   | 356410   | 19.376 | ng/u1  | 99       |
| 29) 2,4-Dichlorophenol        | 10.545 | 162  | 281253   | 20.521 | ng/u1  | 99       |
| 30) Naphthalene               | 10.957 | 128  | 938798   | 19.626 | ng/u1  | 99       |
| 32) 4-Chloroaniline           | 11.063 | 127  | 370160   | 19.250 | ng/u1  | 99       |
| 33) Hexachlorobutadiene       | 11.233 | 225  | 183443   | 20.346 | ng/u1  | 98       |
| 34) Caprolactam               | 11.851 | 113  | 72546m   | 20.635 | ng/u1  |          |
| 35) 4-Chloro-3-methylphenol   | 12.175 | 107  | 258785   | 20.743 | ng/u1  | 96       |
| 36) 2-Methylnaphthalene       | 12.551 | 142  | 619204   | 19.958 | ng/u1  | 99       |

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Manual Integrations  
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| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 37) 1-Methylnaphthalene       | 12.769 | 142  | 633615   | 19.973 | ng/ul | 98       |
| 39) 1,2,4,5-Tetrachloroben... | 12.916 | 216  | 345519   | 19.351 | ng/ul | 97       |
| 40) Hexachlorocyclopentadiene | 12.892 | 237  | 99680    | 9.759  | ng/ul | 98       |
| 41) 2,4,6-Trichlorophenol     | 13.151 | 196  | 216631   | 19.918 | ng/ul | 96       |
| 42) 2,4,5-Trichlorophenol     | 13.222 | 196  | 231481   | 20.408 | ng/ul | 97       |
| 43) 1,1'-Biphenyl             | 13.551 | 154  | 843854   | 19.211 | ng/ul | 99       |
| 44) 2-Chloronaphthalene       | 13.592 | 162  | 663110   | 19.569 | ng/ul | 98       |
| 45) 2-Nitroaniline            | 13.798 | 65   | 161217   | 19.746 | ng/ul | 98       |
| 47) Dimethylphthalate         | 14.169 | 163  | 767065   | 19.956 | ng/ul | 99       |
| 48) 2,6-Dinitrotoluene        | 14.292 | 165  | 153700   | 20.586 | ng/ul | 98       |
| 50) Acenaphthylene            | 14.439 | 152  | 1036247  | 19.792 | ng/ul | 100      |
| 51) 3-Nitroaniline            | 14.616 | 138  | 134925   | 18.113 | ng/ul | 98       |
| 52) Acenaphthene              | 14.774 | 153  | 706882   | 19.520 | ng/ul | 99       |
| 53) 2,4-Dinitrophenol         | 14.821 | 184  | 51452    | 14.044 | ng/ul | 99       |
| 55) 4-Nitrophenol             | 14.916 | 109  | 78568    | 17.943 | ng/ul | 99       |
| 56) Dibenzofuran              | 15.110 | 168  | 971420   | 19.648 | ng/ul | 99       |
| 57) 2,4-Dinitrotoluene        | 15.074 | 165  | 211890   | 20.956 | ng/ul | 95       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.333 | 232  | 194565   | 20.392 | ng/ul | 98       |
| 59) Diethylphthalate          | 15.521 | 149  | 764042   | 19.953 | ng/ul | 99       |
| 61) Fluorene                  | 15.757 | 166  | 808736   | 20.057 | ng/ul | 100      |
| 62) 4-Chlorophenyl-phenyle... | 15.745 | 204  | 406761   | 20.642 | ng/ul | 99       |
| 63) 4-Nitroaniline            | 15.774 | 138  | 117922   | 17.459 | ng/ul | 93       |
| 66) 4,6-Dinitro-2-methylph... | 15.833 | 198  | 87989    | 15.833 | ng/ul | 98       |
| 67) N-Nitrosodiphenylamine    | 15.957 | 169  | 651346   | 20.111 | ng/ul | 99       |
| 68) 4-Bromophenyl-phenylether | 16.639 | 248  | 242129   | 20.572 | ng/ul | 99       |
| 69) Hexachlorobenzene         | 16.757 | 284  | 288047   | 20.502 | ng/ul | 98       |
| 70) Atrazine                  | 16.904 | 200  | 210364   | 19.007 | ng/ul | 99       |
| 71) Pentachlorophenol         | 17.098 | 266  | 133959m  | 17.150 | ng/ul |          |
| 72) Phenanthrene              | 17.492 | 178  | 1147127  | 19.564 | ng/ul | 100      |
| 74) Anthracene                | 17.586 | 178  | 1169585  | 19.628 | ng/ul | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 13.516 | 216  | 343217   | 19.773 | ng/ul | 98       |
| 76) Pentachlorobenzene        | 15.027 | 250  | 347371   | 20.202 | ng/ul | 97       |
| 77) Carbazole                 | 17.857 | 167  | 960408   | 18.603 | ng/ul | 100      |
| 78) Di-n-butylphthalate       | 18.404 | 149  | 1204427  | 19.628 | ng/ul | 100      |
| 80) Fluoranthene              | 19.498 | 202  | 1153579  | 21.581 | ng/ul | 99       |
| 82) Pyrene                    | 19.862 | 202  | 1192728  | 21.440 | ng/ul | 99       |
| 83) Butylbenzylphthalate      | 20.745 | 149  | 423460   | 20.471 | ng/ul | 96       |
| 84) 3,3'-Dichlorobenzidine    | 21.533 | 252  | 289041   | 19.373 | ng/ul | 96       |
| 85) Benzo(a)anthracene        | 21.603 | 228  | 1033988  | 20.370 | ng/ul | 99       |
| 86) Bis(2-ethylhexyl)phtha... | 21.509 | 149  | 569980   | 18.940 | ng/ul | 99       |
| 87) Chrysene                  | 21.662 | 228  | 959824   | 20.153 | ng/ul | 100      |
| 89) Di-n-octyl phthalate      | 22.462 | 149  | 927842   | 18.062 | ng/ul | 100      |
| 90) Benzo(b)fluoranthene      | 23.344 | 252  | 1010859  | 20.338 | ng/ul | 99       |
| 91) Benzo(k)fluoranthene      | 23.392 | 252  | 964530   | 20.024 | ng/ul | 99       |
| 93) Benzo(a)pyrene            | 23.991 | 252  | 877026   | 20.066 | ng/ul | 98       |
| 94) Indeno(1,2,3-cd)pyrene    | 26.703 | 276  | 1099011  | 19.524 | ng/ul | 98       |
| 95) Dibenzo(a,h)anthracene    | 26.715 | 278  | 943407   | 19.881 | ng/ul | 97       |
| 96) Benzo(g,h,i)perylene      | 27.503 | 276  | 826029   | 18.380 | ng/ul | 96       |

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

