

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM011524\  
 Data File : BM043834.D  
 Acq On : 15 Jan 2024 10:14  
 Operator : MA/JU  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTD020190

Quant Time: Jan 16 01:12:38 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM010924.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Jan 10 01:07:47 2024  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 01/16/2024  
 Supervised By :mohammad ahmed 01/17/2024

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.945  | 152  | 291627   | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.751 | 136  | 1335500  | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.586 | 164  | 852053   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.339 | 188  | 1802796  | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.533 | 240  | 1657640  | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 23.956 | 264  | 1677752  | 20.000 | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.352  | 96   | 52564    | 6.959  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.775  | 84   | 392604   | 16.874 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 7.110  | 99   | 492073   | 16.673 | ng/u1  | -0.01    |
| 9) Bis-(2-Chloroethyl)eth...  | 7.287  | 67   | 322392   | 17.530 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.475  | 132  | 374496   | 17.443 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.663  | 113  | 396096   | 16.849 | ng/u1  | -0.01    |
| 21) Nitrobenzene-d5           | 9.122  | 128  | 193644   | 17.301 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.845  | 143  | 211703   | 16.797 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.381 | 165  | 391289   | 17.337 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.910 | 131  | 590256   | 16.512 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 14.010 | 166  | 1217611  | 17.061 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.286 | 160  | 1422819  | 17.502 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.816 | 143  | 213111   | 15.267 | ng/u1  | -0.01    |
| 60) Fluorene-d10              | 15.580 | 176  | 1036366  | 17.255 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.721 | 200  | 186995   | 14.691 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.439 | 188  | 1605146  | 17.496 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.733 | 212  | 1761594  | 17.206 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.797 | 264  | 1598772  | 17.263 | ng/u1  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.387  | 88   | 56524    | 7.133  | ng/uL  | 100      |
| 5) Pyridine                   | 3.799  | 79   | 405198   | 16.973 | ng/u1  | 98       |
| 6) Benzaldehyde               | 7.092  | 77   | 269720m  | 23.155 | ng/u1  |          |
| 8) Phenol                     | 7.140  | 94   | 500585   | 16.887 | ng/u1  | 98       |
| 10) Bis(2-Chloroethyl)ether   | 7.375  | 93   | 415011   | 17.365 | ng/u1  | 97       |
| 12) 2-Chlorophenol            | 7.504  | 128  | 394343   | 17.696 | ng/u1  | 98       |
| 13) 2-Methylphenol            | 8.398  | 108  | 376838   | 16.504 | ng/u1  | 100      |
| 14) 2,2'-oxybis(1-Chloropr... | 8.475  | 45   | 727382   | 18.052 | ng/u1  | 98       |
| 16) Acetophenone              | 8.781  | 105  | 633531   | 17.380 | ng/u1  | 98       |
| 17) N-Nitroso-di-n-propyla... | 8.763  | 70   | 365497   | 18.140 | ng/u1  | 96       |
| 18) 4-Methylphenol            | 8.728  | 108  | 419761   | 16.922 | ng/u1  | 96       |
| 19) Hexachloroethane          | 9.010  | 117  | 170757   | 17.682 | ng/u1  | 98       |
| 22) Nitrobenzene              | 9.163  | 77   | 505838   | 18.126 | ng/u1  | 100      |
| 23) Isophorone                | 9.692  | 82   | 1001933  | 17.503 | ng/u1  | 99       |
| 25) 2-Nitrophenol             | 9.875  | 139  | 229139   | 17.201 | ng/u1  | 94       |
| 26) 2,4-Dimethylphenol        | 9.933  | 107  | 454787   | 17.601 | ng/u1  | 99       |
| 27) Bis(2-Chloroethoxy)met... | 10.175 | 93   | 599015   | 17.643 | ng/u1  | 99       |
| 29) 2,4-Dichlorophenol        | 10.410 | 162  | 389446   | 17.404 | ng/u1  | 98       |
| 30) Naphthalene               | 10.804 | 128  | 1373618  | 17.677 | ng/u1  | 100      |
| 32) 4-Chloroaniline           | 10.933 | 127  | 581247   | 16.732 | ng/u1  | 100      |
| 33) Hexachlorobutadiene       | 11.069 | 225  | 215615   | 17.220 | ng/u1  | 99       |
| 34) Caprolactam               | 11.733 | 113  | 129015   | 16.014 | ng/u1  | 97       |
| 35) 4-Chloro-3-methylphenol   | 12.057 | 107  | 431200   | 17.391 | ng/u1  | 100      |
| 36) 2-Methylnaphthalene       | 12.416 | 142  | 954511   | 17.621 | ng/u1  | 100      |

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## Instrument :

BNA\_M

## ClientSampleId :

SSTD020190

## Manual Integrations

## APPROVED

Reviewed By :Jagrut Upadhyay 01/16/2024  
 Supervised By :mohammad ahmed 01/17/2024

Quant Time: Jan 16 01:12:38 2024

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM010924.MA.M

Quant Title : SVOA CALIBRATION

QLast Update : Wed Jan 10 01:07:47 2024

Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 37) 1-Methylnaphthalene       | 12.633 | 142  | 942942   | 17.459 | ng/ul | 100      |
| 39) 1,2,4,5-Tetrachloroben... | 12.780 | 216  | 437714   | 17.274 | ng/ul | 97       |
| 40) Hexachlorocyclopentadiene | 12.739 | 237  | 241785   | 14.267 | ng/ul | 100      |
| 41) 2,4,6-Trichlorophenol     | 13.027 | 196  | 305131   | 16.959 | ng/ul | 100      |
| 42) 2,4,5-Trichlorophenol     | 13.104 | 196  | 330504   | 17.300 | ng/ul | 99       |
| 43) 1,1'-Biphenyl             | 13.427 | 154  | 1275692  | 17.534 | ng/ul | 100      |
| 44) 2-Chloronaphthalene       | 13.469 | 162  | 981155   | 17.502 | ng/ul | 99       |
| 45) 2-Nitroaniline            | 13.692 | 65   | 314447   | 17.772 | ng/ul | 95       |
| 47) Dimethylphthalate         | 14.057 | 163  | 1236929  | 17.242 | ng/ul | 100      |
| 48) 2,6-Dinitrotoluene        | 14.186 | 165  | 238077   | 16.744 | ng/ul | 95       |
| 50) Acenaphthylene            | 14.316 | 152  | 1674552  | 17.638 | ng/ul | 99       |
| 51) 3-Nitroaniline            | 14.521 | 138  | 244526   | 16.264 | ng/ul | 98       |
| 52) Acenaphthene              | 14.651 | 153  | 1115978  | 17.727 | ng/ul | 99       |
| 53) 2,4-Dinitrophenol         | 14.733 | 184  | 114532   | 12.963 | ng/ul | 94       |
| 55) 4-Nitrophenol             | 14.833 | 109  | 172225   | 16.171 | ng/ul | 92       |
| 56) Dibenzofuran              | 14.986 | 168  | 1486327  | 17.572 | ng/ul | 99       |
| 57) 2,4-Dinitrotoluene        | 14.980 | 165  | 356915   | 17.040 | ng/ul | 93       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.216 | 232  | 270185   | 16.974 | ng/ul | 100      |
| 59) Diethylphthalate          | 15.415 | 149  | 1290513  | 16.874 | ng/ul | 98       |
| 61) Fluorene                  | 15.639 | 166  | 1293522  | 17.839 | ng/ul | 99       |
| 62) 4-Chlorophenyl-phenyle... | 15.633 | 204  | 588670   | 17.343 | ng/ul | 99       |
| 63) 4-Nitroaniline            | 15.686 | 138  | 212118   | 17.561 | ng/ul | 97       |
| 66) 4,6-Dinitro-2-methylph... | 15.739 | 198  | 204009   | 14.890 | ng/ul | 94       |
| 67) N-Nitrosodiphenylamine    | 15.851 | 169  | 1028365  | 17.333 | ng/ul | 99       |
| 68) 4-Bromophenyl-phenylether | 16.533 | 248  | 336038   | 16.660 | ng/ul | 99       |
| 69) Hexachlorobenzene         | 16.633 | 284  | 400422   | 16.828 | ng/ul | 97       |
| 70) Atrazine                  | 16.815 | 200  | 334303   | 15.578 | ng/ul | 98       |
| 71) Pentachlorophenol         | 16.992 | 266  | 215315   | 14.393 | ng/ul | 99       |
| 72) Phenanthrene              | 17.386 | 178  | 1945752  | 17.575 | ng/ul | 99       |
| 74) Anthracene                | 17.474 | 178  | 1990728  | 17.669 | ng/ul | 100      |
| 75) 1,2,3,4-Tetrachloroben... | 13.386 | 216  | 430859   | 17.048 | ng/ul | 99       |
| 76) Pentachlorobenzene        | 14.904 | 250  | 433906   | 16.826 | ng/ul | 99       |
| 77) Carbazole                 | 17.756 | 167  | 1761432  | 16.865 | ng/ul | 100      |
| 78) Di-n-butylphthalate       | 18.315 | 149  | 2287598  | 16.129 | ng/ul | 100      |
| 80) Fluoranthene              | 19.403 | 202  | 2155301  | 17.204 | ng/ul | 98       |
| 82) Pyrene                    | 19.762 | 202  | 2303644  | 17.745 | ng/ul | 99       |
| 83) Butylbenzylphthalate      | 20.668 | 149  | 1010838  | 16.466 | ng/ul | 97       |
| 84) 3,3'-Dichlorobenzidine    | 21.450 | 252  | 665690   | 16.681 | ng/ul | 99       |
| 85) Benzo(a)anthracene        | 21.515 | 228  | 2229346  | 17.613 | ng/ul | 99       |
| 86) Bis(2-ethylhexyl)phtha... | 21.445 | 149  | 1571217  | 16.071 | ng/ul | 100      |
| 87) Chrysene                  | 21.568 | 228  | 1975192  | 17.288 | ng/ul | 100      |
| 89) Di-n-octyl phthalate      | 22.386 | 149  | 2497930  | 15.993 | ng/ul | 100      |
| 90) Benzo(b)fluoranthene      | 23.215 | 252  | 2009467  | 17.088 | ng/ul | 99       |
| 91) Benzo(k)fluoranthene      | 23.262 | 252  | 2035727  | 17.575 | ng/ul | 100      |
| 93) Benzo(a)pyrene            | 23.844 | 252  | 1874792  | 17.417 | ng/ul | 100      |
| 94) Indeno(1,2,3-cd)pyrene    | 26.479 | 276  | 2251804  | 18.330 | ng/ul | 99       |
| 95) Dibenzo(a,h)anthracene    | 26.497 | 278  | 1868955  | 18.361 | ng/ul | 100      |
| 96) Benzo(g,h,i)perylene      | 27.250 | 276  | 1719601  | 18.434 | ng/ul | 100      |

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

