

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM010524\  
 Data File : BM043788.D  
 Acq On : 06 Jan 2024 09:09  
 Operator : MA/JU  
 Sample : SSTDCCC020EC  
 Misc :  
 ALS Vial : 35 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTD020185

Quant Time: Jan 08 00:31:28 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM121523.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Dec 29 22:31:57 2023  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Yogesh Patel 01/08/2024  
 Supervised By :mohammad ahmed 01/08/2024

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.951  | 152  | 329235   | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.757 | 136  | 1309411  | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.592 | 164  | 755795   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.345 | 188  | 1559371  | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.527 | 240  | 1554967  | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 23.950 | 264  | 1805341  | 20.000 | ng/u1  | 0.02     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.357  | 96   | 70808    | 6.990  | ng/uL  | -0.01    |
| 4) Pyridine-d5                | 3.787  | 84   | 491953   | 16.873 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 7.122  | 99   | 589015   | 15.727 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.287  | 67   | 371903   | 15.679 | ng/u1  | -0.01    |
| 11) 2-Chlorophenol-d4         | 7.481  | 132  | 475920   | 16.643 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.675  | 113  | 448859   | 15.444 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 9.128  | 128  | 227480   | 17.956 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.845  | 143  | 254600   | 19.450 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.386 | 165  | 450717   | 19.505 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.916 | 131  | 597472   | 17.575 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 14.015 | 166  | 1233046  | 18.123 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.286 | 160  | 1474160  | 18.265 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.827 | 143  | 235370   | 18.278 | ng/u1  | 0.04     |
| 60) Fluorene-d10              | 15.586 | 176  | 1060978  | 18.858 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.727 | 200  | 190839   | 18.504 | ng/u1  | 0.02     |
| 73) Anthracene-d10            | 17.445 | 188  | 1611154  | 18.423 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.733 | 212  | 1837674  | 14.969 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.791 | 264  | 2013113  | 18.070 | ng/u1  | 0.02     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.393  | 88   | 77538    | 6.928  | ng/uL  | 98       |
| 5) Pyridine                   | 3.804  | 79   | 512455   | 16.996 | ng/u1  | 98       |
| 6) Benzaldehyde               | 7.098  | 77   | 278814   | 15.700 | ng/u1  | 95       |
| 8) Phenol                     | 7.151  | 94   | 581028   | 15.769 | ng/u1  | 98       |
| 10) Bis(2-Chloroethyl)ether   | 7.381  | 93   | 474191   | 15.852 | ng/u1  | 99       |
| 12) 2-Chlorophenol            | 7.510  | 128  | 481039   | 16.513 | ng/u1  | 98       |
| 13) 2-Methylphenol            | 8.404  | 108  | 434190   | 15.519 | ng/u1  | 97       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.481  | 45   | 784088   | 15.609 | ng/u1  | 99       |
| 16) Acetophenone              | 8.786  | 105  | 681104   | 15.307 | ng/u1  | 98       |
| 17) N-Nitroso-di-n-propyla... | 8.769  | 70   | 377057   | 14.198 | ng/u1  | 99       |
| 18) 4-Methylphenol            | 8.739  | 108  | 466682   | 15.390 | ng/u1  | 100      |
| 19) Hexachloroethane          | 9.016  | 117  | 213356   | 17.370 | ng/u1  | 88       |
| 22) Nitrobenzene              | 9.169  | 77   | 544607   | 17.370 | ng/u1  | 99       |
| 23) Isophorone                | 9.698  | 82   | 1023375  | 16.091 | ng/u1  | 99       |
| 25) 2-Nitrophenol             | 9.880  | 139  | 261024   | 18.763 | ng/u1  | 97       |
| 26) 2,4-Dimethylphenol        | 9.939  | 107  | 442202   | 17.843 | ng/u1  | 99       |
| 27) Bis(2-Chloroethoxy)met... | 10.180 | 93   | 617621   | 16.446 | ng/u1  | 99       |
| 29) 2,4-Dichlorophenol        | 10.416 | 162  | 433267   | 19.321 | ng/u1  | 97       |
| 30) Naphthalene               | 10.810 | 128  | 1518452  | 18.196 | ng/u1  | 99       |
| 32) 4-Chloroaniline           | 10.939 | 127  | 570294   | 17.446 | ng/u1  | 100      |
| 33) Hexachlorobutadiene       | 11.075 | 225  | 252719   | 22.103 | ng/u1  | 99       |
| 34) Caprolactam               | 11.745 | 113  | 130742   | 18.244 | ng/u1  | 99       |
| 35) 4-Chloro-3-methylphenol   | 12.063 | 107  | 449629   | 17.070 | ng/u1  | 97       |
| 36) 2-Methylnaphthalene       | 12.422 | 142  | 996222   | 17.537 | ng/u1  | 99       |

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SSTD020185

## Manual Integrations

## APPROVED

Reviewed By :Yogesh Patel 01/08/2024

Supervised By :mohammad ahmed 01/08/2024

Quant Time: Jan 08 00:31:28 2024

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM121523.MA.M

Quant Title : SVOA CALIBRATION

QLast Update : Fri Dec 29 22:31:57 2023

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| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 37) 1-Methylnaphthalene       | 12.639 | 142  | 1016567  | 17.742 | ng/ul  | 100      |
| 39) 1,2,4,5-Tetrachloroben... | 12.786 | 216  | 456542   | 19.825 | ng/ul# | 96       |
| 40) Hexachlorocyclopentadiene | 12.745 | 237  | 219248   | 15.174 | ng/ul  | 100      |
| 41) 2,4,6-Trichlorophenol     | 13.033 | 196  | 315741   | 19.289 | ng/ul  | 99       |
| 42) 2,4,5-Trichlorophenol     | 13.110 | 196  | 341176   | 19.630 | ng/ul  | 98       |
| 43) 1,1'-Biphenyl             | 13.427 | 154  | 1283092  | 17.809 | ng/ul  | 99       |
| 44) 2-Chloronaphthalene       | 13.474 | 162  | 1021724  | 18.497 | ng/ul  | 97       |
| 45) 2-Nitroaniline            | 13.698 | 65   | 307994   | 16.628 | ng/ul  | 95       |
| 47) Dimethylphthalate         | 14.063 | 163  | 1217636  | 18.122 | ng/ul  | 100      |
| 48) 2,6-Dinitrotoluene        | 14.192 | 165  | 247191   | 19.029 | ng/ul  | 96       |
| 50) Acenaphthylene            | 14.321 | 152  | 1688720  | 18.220 | ng/ul  | 100      |
| 51) 3-Nitroaniline            | 14.521 | 138  | 274535   | 18.409 | ng/ul  | 97       |
| 52) Acenaphthene              | 14.657 | 153  | 1108919  | 18.154 | ng/ul  | 99       |
| 53) 2,4-Dinitrophenol         | 14.739 | 184  | 129541   | 18.733 | ng/ul  | 90       |
| 55) 4-Nitrophenol             | 14.845 | 109  | 172969   | 17.298 | ng/ul  | 95       |
| 56) Dibenzofuran              | 14.992 | 168  | 1487480  | 18.855 | ng/ul  | 96       |
| 57) 2,4-Dinitrotoluene        | 14.980 | 165  | 361305   | 19.686 | ng/ul  | 97       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.221 | 232  | 273725   | 20.556 | ng/ul  | 94       |
| 59) Diethylphthalate          | 15.421 | 149  | 1256911  | 18.254 | ng/ul  | 99       |
| 61) Fluorene                  | 15.645 | 166  | 1247067  | 18.503 | ng/ul  | 99       |
| 62) 4-Chlorophenyl-phenyle... | 15.639 | 204  | 564261   | 19.033 | ng/ul  | 94       |
| 63) 4-Nitroaniline            | 15.686 | 138  | 280687m  | 20.563 | ng/ul  |          |
| 66) 4,6-Dinitro-2-methylph... | 15.739 | 198  | 208815   | 18.965 | ng/ul  | 93       |
| 67) N-Nitrosodiphenylamine    | 15.857 | 169  | 1023212  | 17.083 | ng/ul  | 99       |
| 68) 4-Bromophenyl-phenylether | 16.533 | 248  | 337461   | 18.267 | ng/ul  | 96       |
| 69) Hexachlorobenzene         | 16.639 | 284  | 406200   | 19.192 | ng/ul  | 95       |
| 70) Atrazine                  | 16.815 | 200  | 202890   | 15.454 | ng/ul  | 99       |
| 71) Pentachlorophenol         | 16.992 | 266  | 230400   | 18.006 | ng/ul  | 98       |
| 72) Phenanthrene              | 17.386 | 178  | 1919450  | 18.161 | ng/ul  | 100      |
| 74) Anthracene                | 17.480 | 178  | 1953948  | 18.319 | ng/ul  | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 13.392 | 216  | 465545   | 18.179 | ng/ul  | 98       |
| 76) Pentachlorobenzene        | 14.904 | 250  | 460866   | 18.482 | ng/ul  | 98       |
| 77) Carbazole                 | 17.762 | 167  | 1806764  | 19.847 | ng/ul  | 99       |
| 78) Di-n-butylphthalate       | 18.315 | 149  | 2265653  | 19.037 | ng/ul  | 100      |
| 80) Fluoranthene              | 19.403 | 202  | 2196161  | 14.446 | ng/ul  | 94       |
| 82) Pyrene                    | 19.762 | 202  | 2314698  | 14.810 | ng/ul  | 97       |
| 83) Butylbenzylphthalate      | 20.668 | 149  | 1091582  | 16.155 | ng/ul  | 95       |
| 84) 3,3'-Dichlorobenzidine    | 21.450 | 252  | 719715   | 18.793 | ng/ul# | 98       |
| 85) Benzo(a)anthracene        | 21.515 | 228  | 2357784  | 18.133 | ng/ul  | 100      |
| 86) Bis(2-ethylhexyl)phtha... | 21.444 | 149  | 1683462  | 17.500 | ng/ul  | 99       |
| 87) Chrysene                  | 21.568 | 228  | 2150985  | 18.388 | ng/ul  | 99       |
| 89) Di-n-octyl phthalate      | 22.380 | 149  | 2904965  | 16.821 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 23.209 | 252  | 2371725  | 17.143 | ng/ul  | 98       |
| 91) Benzo(k)fluoranthene      | 23.256 | 252  | 2407795  | 17.844 | ng/ul  | 98       |
| 93) Benzo(a)pyrene            | 23.844 | 252  | 2275213  | 18.025 | ng/ul  | 98       |
| 94) Indeno(1,2,3-cd)pyrene    | 26.474 | 276  | 2872252  | 19.058 | ng/ul  | 98       |
| 95) Dibenzo(a,h)anthracene    | 26.491 | 278  | 2404291  | 19.265 | ng/ul  | 97       |
| 96) Benzo(g,h,i)perylene      | 27.244 | 276  | 2147835  | 18.180 | ng/ul  | 95       |

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

