

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM120921\  
 Data File : BM033354.D  
 Acq On : 09 Dec 2021 12:05  
 Operator : CG/JU  
 Sample : SSTD08015  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTD080015

Quant Time: Dec 09 13:14:59 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SFAM-EPA-BM120921.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Dec 09 13:01:40 2021  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 12/10/2021  
 Supervised By :mohammad ahmed 12/15/2021

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| -----                         |        |      |          |         |        |          |
| Internal Standards            |        |      |          |         |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.907  | 152  | 38651    | 20.000  | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.707 | 136  | 176700   | 20.000  | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.536 | 164  | 128917   | 20.000  | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.277 | 188  | 281594   | 20.000  | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.442 | 240  | 284740   | 20.000  | ng/u1  | 0.00     |
| 88) Perylene-d12              | 23.765 | 264  | 267067   | 20.000  | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |         |        |          |
| 3) 1,4-Dioxane-d8             | 3.366  | 96   | 37233m   | 37.137  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.778  | 84   | 297561   | 107.747 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 7.084  | 99   | 370058   | 113.190 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.243  | 67   | 231016   | 111.404 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.449  | 132  | 270183   | 109.110 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.625  | 113  | 291348   | 114.827 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 9.078  | 128  | 143694   | 113.266 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.795  | 143  | 160043   | 125.963 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.337 | 165  | 291939   | 100.337 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.848 | 131  | 407359   | 105.277 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.948 | 166  | 929513   | 98.300  | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.230 | 160  | 1172643  | 96.261  | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.754 | 143  | 182263   | 118.332 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.530 | 176  | 825352   | 97.300  | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.654 | 200  | 177134   | 133.850 | ng/u1  | 0.01     |
| 73) Anthracene-d10            | 17.377 | 188  | 1346304  | 99.183  | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.659 | 212  | 1581687  | 93.999  | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.618 | 264  | 1434029  | 100.051 | ng/u1  | 0.00     |
| Target Compounds              |        |      |          |         |        |          |
|                               |        |      |          |         | Qvalue |          |
| 2) 1,4-Dioxane                | 3.402  | 88   | 39537    | 38.841  | ng/uL  | 92       |
| 5) Pyridine                   | 3.802  | 79   | 307888   | 109.254 | ng/u1  | 92       |
| 6) Benzaldehyde               | 7.054  | 77   | 154205   | 82.760  | ng/u1  | 98       |
| 8) Phenol                     | 7.113  | 94   | 374507   | 115.030 | ng/u1  | 94       |
| 10) Bis(2-Chloroethyl)ether   | 7.337  | 93   | 276741   | 107.005 | ng/u1  | 99       |
| 12) 2-Chlorophenol            | 7.478  | 128  | 277837   | 108.706 | ng/u1  | 99       |
| 13) 2-Methylphenol            | 8.354  | 108  | 274841   | 110.200 | ng/u1  | 93       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.437  | 45   | 472762   | 118.357 | ng/u1  | 99       |
| 16) Acetophenone              | 8.743  | 105  | 475216   | 118.661 | ng/u1  | 95       |
| 17) N-Nitroso-di-n-propyla... | 8.731  | 70   | 270492   | 125.357 | ng/u1  | 99       |
| 18) 4-Methylphenol            | 8.690  | 108  | 301044   | 115.145 | ng/u1  | 99       |
| 19) Hexachloroethane          | 8.990  | 117  | 130049   | 111.693 | ng/u1# | 89       |
| 22) Nitrobenzene              | 9.119  | 77   | 406231   | 114.739 | ng/u1  | 99       |
| 23) Isophorone                | 9.648  | 82   | 722356   | 111.627 | ng/u1  | 99       |
| 25) 2-Nitrophenol             | 9.825  | 139  | 165459   | 122.859 | ng/u1  | 95       |
| 26) 2,4-Dimethylphenol        | 9.884  | 107  | 378796   | 107.051 | ng/u1  | 99       |
| 27) Bis(2-Chloroethoxy)met... | 10.119 | 93   | 394668   | 102.485 | ng/u1  | 100      |
| 29) 2,4-Dichlorophenol        | 10.360 | 162  | 282836   | 100.248 | ng/u1  | 93       |
| 30) Naphthalene               | 10.760 | 128  | 936563   | 99.675  | ng/u1  | 98       |
| 32) 4-Chloroaniline           | 10.872 | 127  | 409346   | 104.721 | ng/u1  | 99       |
| 33) Hexachlorobutadiene       | 11.031 | 225  | 193614   | 88.098  | ng/u1  | 97       |
| 34) Caprolactam               | 11.672 | 113  | 99198m   | 122.296 | ng/u1  |          |
| 35) 4-Chloro-3-methylphenol   | 11.995 | 107  | 352823   | 114.841 | ng/u1  | 92       |
| 36) 2-Methylnaphthalene       | 12.366 | 142  | 659280   | 101.265 | ng/u1  | 99       |

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| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 37) 1-Methylnaphthalene       | 12.583 | 142  | 681275   | 102.509 | ng/ul  | 97       |
| 39) 1,2,4,5-Tetrachloroben... | 12.731 | 216  | 356242   | 83.059  | ng/ul  | 97       |
| 40) Hexachlorocyclopentadiene | 12.701 | 237  | 242215   | 80.257  | ng/ul  | 99       |
| 41) 2,4,6-Trichlorophenol     | 12.972 | 196  | 236797   | 93.744  | ng/ul  | 98       |
| 42) 2,4,5-Trichlorophenol     | 13.048 | 196  | 256901   | 94.846  | ng/ul  | 95       |
| 43) 1,1'-Biphenyl             | 13.372 | 154  | 916026   | 91.197  | ng/ul  | 99       |
| 44) 2-Chloronaphthalene       | 13.419 | 162  | 703323   | 90.797  | ng/ul  | 100      |
| 45) 2-Nitroaniline            | 13.625 | 65   | 288256   | 141.185 | ng/ul  | 98       |
| 47) Dimethylphthalate         | 13.995 | 163  | 911753   | 98.930  | ng/ul  | 99       |
| 48) 2,6-Dinitrotoluene        | 14.119 | 165  | 196854   | 124.840 | ng/ul  | 96       |
| 50) Acenaphthylene            | 14.260 | 152  | 1189838  | 96.250  | ng/ul  | 99       |
| 51) 3-Nitroaniline            | 14.454 | 138  | 175845   | 110.678 | ng/ul  | 96       |
| 52) Acenaphthene              | 14.601 | 153  | 772588   | 95.805  | ng/ul  | 98       |
| 53) 2,4-Dinitrophenol         | 14.654 | 184  | 122628   | 152.364 | ng/ul  | 98       |
| 55) 4-Nitrophenol             | 14.772 | 109  | 190129   | 120.857 | ng/ul  | 96       |
| 56) Dibenzofuran              | 14.936 | 168  | 1124928  | 95.178  | ng/ul  | 98       |
| 57) 2,4-Dinitrotoluene        | 14.907 | 165  | 291985   | 134.640 | ng/ul  | 92       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.160 | 232  | 223042   | 100.883 | ng/ul# | 96       |
| 59) Diethylphthalate          | 15.354 | 149  | 972857   | 105.391 | ng/ul  | 100      |
| 61) Fluorene                  | 15.583 | 166  | 934430   | 99.466  | ng/ul  | 99       |
| 62) 4-Chlorophenyl-phenyle... | 15.577 | 204  | 457665   | 93.337  | ng/ul  | 96       |
| 63) 4-Nitroaniline            | 15.619 | 138  | 166353   | 106.482 | ng/ul  | 96       |
| 66) 4,6-Dinitro-2-methylph... | 15.666 | 198  | 175398   | 132.238 | ng/ul# | 99       |
| 67) N-Nitrosodiphenylamine    | 15.789 | 169  | 801256   | 96.745  | ng/ul  | 98       |
| 68) 4-Bromophenyl-phenylether | 16.466 | 248  | 274005   | 87.501  | ng/ul  | 97       |
| 69) Hexachlorobenzene         | 16.577 | 284  | 307628   | 85.752  | ng/ul  | 98       |
| 70) Atrazine                  | 16.742 | 200  | 322194   | 100.677 | ng/ul  | 99       |
| 71) Pentachlorophenol         | 16.924 | 266  | 196177   | 94.603  | ng/ul  | 97       |
| 72) Phenanthrene              | 17.318 | 178  | 1528447  | 97.989  | ng/ul  | 99       |
| 74) Anthracene                | 17.413 | 178  | 1572274  | 100.514 | ng/ul  | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 13.336 | 216  | 370669   | 80.139  | ng/ul  | 98       |
| 76) Pentachlorobenzene        | 14.854 | 250  | 371055   | 81.830  | ng/ul  | 98       |
| 77) Carbazole                 | 17.683 | 167  | 1421066  | 102.263 | ng/ul  | 99       |
| 78) Di-n-butylphthalate       | 18.236 | 149  | 1741771  | 114.627 | ng/ul  | 99       |
| 80) Fluoranthene              | 19.324 | 202  | 1847588  | 93.726  | ng/ul  | 99       |
| 82) Pyrene                    | 19.689 | 202  | 1885305  | 94.194  | ng/ul  | 99       |
| 83) Butylbenzylphthalate      | 20.577 | 149  | 833705   | 121.916 | ng/ul  | 93       |
| 84) 3,3'-Dichlorobenzidine    | 21.359 | 252  | 609013   | 94.938  | ng/ul  | 98       |
| 85) Benzo(a)anthracene        | 21.424 | 228  | 1790043  | 97.197  | ng/ul  | 99       |
| 86) Bis(2-ethylhexyl)phtha... | 21.342 | 149  | 1191291  | 122.903 | ng/ul  | 100      |
| 87) Chrysene                  | 21.477 | 228  | 1717123  | 95.476  | ng/ul  | 99       |
| 89) Di-n-octyl phthalate      | 22.242 | 149  | 2015016  | 123.827 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 23.065 | 252  | 1850114  | 102.860 | ng/ul  | 98       |
| 91) Benzo(k)fluoranthene      | 23.112 | 252  | 1616346  | 98.098  | ng/ul  | 99       |
| 93) Benzo(a)pyrene            | 23.671 | 252  | 1715167  | 100.900 | ng/ul  | 100      |
| 94) Indeno(1,2,3-cd)pyrene    | 26.153 | 276  | 1837960  | 97.095  | ng/ul  | 98       |
| 95) Dibenzo(a,h)anthracene    | 26.165 | 278  | 1595898  | 98.544  | ng/ul  | 99       |
| 96) Benzo(g,h,i)perylene      | 26.883 | 276  | 1566875  | 95.368  | ng/ul  | 99       |

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

