

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM111721\  
 Data File : BM033119.D  
 Acq On : 17 Nov 2021 12:23  
 Operator : CG/JU  
 Sample : SST04007  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SST040007

Quant Time: Nov 17 12:54:21 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SFAM-EPA-BM111721.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Nov 17 12:32:12 2021  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 11/17/2021  
 Supervised By :mohammad ahmed 11/26/2021

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.978  | 152  | 85305    | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.778 | 136  | 340916   | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.595 | 164  | 222390   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.330 | 188  | 470303   | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.483 | 240  | 446963   | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 23.836 | 264  | 436362   | 20.000 | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.425  | 96   | 35176    | 16.532 | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.843  | 84   | 248259   | 41.304 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 7.131  | 99   | 290949   | 40.109 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.307  | 67   | 184051   | 44.190 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.507  | 132  | 228041   | 41.174 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.672  | 113  | 226071   | 38.586 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 9.136  | 128  | 104644   | 43.504 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.860  | 143  | 107293   | 41.382 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.389 | 165  | 239498   | 46.402 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.913 | 131  | 302083   | 39.680 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 14.007 | 166  | 667691   | 43.383 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.289 | 160  | 870995   | 46.585 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.777 | 143  | 109990   | 36.390 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.583 | 176  | 599111   | 45.899 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.695 | 200  | 88263    | 32.930 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.430 | 188  | 923408   | 45.106 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.706 | 212  | 1079811  | 48.022 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.688 | 264  | 974509   | 44.595 | ng/u1  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.460  | 88   | 37171    | 16.050 | ng/uL  | 91       |
| 5) Pyridine                   | 3.866  | 79   | 253710   | 42.682 | ng/u1  | 99       |
| 6) Benzaldehyde               | 7.119  | 77   | 201215   | 58.927 | ng/u1  | 98       |
| 8) Phenol                     | 7.160  | 94   | 288475   | 39.257 | ng/u1  | 99       |
| 10) Bis(2-Chloroethyl)ether   | 7.401  | 93   | 228448   | 39.509 | ng/u1  | 99       |
| 12) 2-Chlorophenol            | 7.542  | 128  | 233269   | 40.769 | ng/u1  | 97       |
| 13) 2-Methylphenol            | 8.407  | 108  | 222489   | 39.482 | ng/u1  | 98       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.507  | 45   | 356183   | 49.742 | ng/u1  | 99       |
| 16) Acetophenone              | 8.801  | 105  | 358506   | 41.767 | ng/u1  | 99       |
| 17) N-Nitroso-di-n-propyla... | 8.789  | 70   | 192979   | 45.536 | ng/u1  | 99       |
| 18) 4-Methylphenol            | 8.736  | 108  | 234405   | 39.686 | ng/u1  | 99       |
| 19) Hexachloroethane          | 9.060  | 117  | 107403   | 47.186 | ng/u1  | 98       |
| 22) Nitrobenzene              | 9.184  | 77   | 287887   | 50.411 | ng/u1  | 99       |
| 23) Isophorone                | 9.713  | 82   | 513614   | 46.617 | ng/u1  | 99       |
| 25) 2-Nitrophenol             | 9.889  | 139  | 115443   | 40.748 | ng/u1  | 95       |
| 26) 2,4-Dimethylphenol        | 9.942  | 107  | 282399   | 46.620 | ng/u1  | 97       |
| 27) Bis(2-Chloroethoxy)met... | 10.183 | 93   | 304097   | 41.618 | ng/u1  | 96       |
| 29) 2,4-Dichlorophenol        | 10.419 | 162  | 228660   | 45.004 | ng/u1  | 95       |
| 30) Naphthalene               | 10.830 | 128  | 742535   | 42.498 | ng/u1  | 98       |
| 32) 4-Chloroaniline           | 10.930 | 127  | 304108   | 39.787 | ng/u1  | 99       |
| 33) Hexachlorobutadiene       | 11.107 | 225  | 174465   | 53.224 | ng/u1  | 99       |
| 34) Caprolactam               | 11.725 | 113  | 63101m   | 34.451 | ng/u1  |          |
| 35) 4-Chloro-3-methylphenol   | 12.042 | 107  | 248016   | 44.361 | ng/u1  | 97       |
| 36) 2-Methylnaphthalene       | 12.430 | 142  | 511104   | 43.009 | ng/u1  | 100      |

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|-------------------------------|--------|------|----------|--------|-------|----------|
| 37) 1-Methylnaphthalene       | 12.648 | 142  | 524418   | 43.337 | ng/ul | 99       |
| 39) 1,2,4,5-Tetrachloroben... | 12.789 | 216  | 299665   | 48.867 | ng/ul | 99       |
| 40) Hexachlorocyclopentadiene | 12.772 | 237  | 209099   | 58.518 | ng/ul | 100      |
| 41) 2,4,6-Trichlorophenol     | 13.030 | 196  | 183058   | 46.613 | ng/ul | 94       |
| 42) 2,4,5-Trichlorophenol     | 13.095 | 196  | 196455   | 45.587 | ng/ul | 99       |
| 43) 1,1'-Biphenyl             | 13.436 | 154  | 693650   | 43.503 | ng/ul | 98       |
| 44) 2-Chloronaphthalene       | 13.477 | 162  | 536840   | 44.176 | ng/ul | 100      |
| 45) 2-Nitroaniline            | 13.677 | 65   | 156015   | 48.074 | ng/ul | 96       |
| 47) Dimethylphthalate         | 14.054 | 163  | 647297   | 41.993 | ng/ul | 99       |
| 48) 2,6-Dinitrotoluene        | 14.171 | 165  | 120324   | 41.888 | ng/ul | 92       |
| 50) Acenaphthylene            | 14.318 | 152  | 869258   | 43.939 | ng/ul | 99       |
| 51) 3-Nitroaniline            | 14.495 | 138  | 120320   | 40.072 | ng/ul | 94       |
| 52) Acenaphthene              | 14.660 | 153  | 565227   | 43.269 | ng/ul | 97       |
| 53) 2,4-Dinitrophenol         | 14.701 | 184  | 53396    | 28.900 | ng/ul | 99       |
| 55) 4-Nitrophenol             | 14.795 | 109  | 111456   | 45.693 | ng/ul | 97       |
| 56) Dibenzofuran              | 14.995 | 168  | 819879   | 43.309 | ng/ul | 99       |
| 57) 2,4-Dinitrotoluene        | 14.954 | 165  | 170853   | 40.240 | ng/ul | 95       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.213 | 232  | 161374   | 46.109 | ng/ul | 99       |
| 59) Diethylphthalate          | 15.413 | 149  | 650664   | 42.313 | ng/ul | 99       |
| 61) Fluorene                  | 15.642 | 166  | 655795   | 45.084 | ng/ul | 99       |
| 62) 4-Chlorophenyl-phenyle... | 15.636 | 204  | 339200   | 46.167 | ng/ul | 99       |
| 63) 4-Nitroaniline            | 15.654 | 138  | 124442   | 44.832 | ng/ul | 97       |
| 66) 4,6-Dinitro-2-methylph... | 15.707 | 198  | 90091    | 34.198 | ng/ul | 91       |
| 67) N-Nitrosodiphenylamine    | 15.848 | 169  | 558611   | 42.572 | ng/ul | 99       |
| 68) 4-Bromophenyl-phenylether | 16.524 | 248  | 211408   | 46.641 | ng/ul | 97       |
| 69) Hexachlorobenzene         | 16.636 | 284  | 244582   | 46.846 | ng/ul | 97       |
| 70) Atrazine                  | 16.795 | 200  | 216656   | 43.687 | ng/ul | 100      |
| 71) Pentachlorophenol         | 16.977 | 266  | 140668   | 44.695 | ng/ul | 99       |
| 72) Phenanthrene              | 17.371 | 178  | 1059695  | 43.656 | ng/ul | 99       |
| 74) Anthracene                | 17.465 | 178  | 1055993  | 43.307 | ng/ul | 98       |
| 75) 1,2,3,4-Tetrachloroben... | 13.395 | 216  | 309796   | 46.917 | ng/ul | 99       |
| 76) Pentachlorobenzene        | 14.907 | 250  | 305727   | 46.619 | ng/ul | 99       |
| 77) Carbazole                 | 17.730 | 167  | 944026   | 43.408 | ng/ul | 99       |
| 78) Di-n-butylphthalate       | 18.295 | 149  | 1080509  | 43.006 | ng/ul | 99       |
| 80) Fluoranthene              | 19.377 | 202  | 1250335  | 45.068 | ng/ul | 100      |
| 82) Pyrene                    | 19.736 | 202  | 1266268  | 44.429 | ng/ul | 99       |
| 83) Butylbenzylphthalate      | 20.624 | 149  | 462803   | 42.793 | ng/ul | 97       |
| 84) 3,3'-Dichlorobenzidine    | 21.400 | 252  | 433104   | 53.440 | ng/ul | 98       |
| 85) Benzo(a)anthracene        | 21.471 | 228  | 1186678  | 44.027 | ng/ul | 100      |
| 86) Bis(2-ethylhexyl)phtha... | 21.394 | 149  | 653468   | 43.464 | ng/ul | 100      |
| 87) Chrysene                  | 21.524 | 228  | 1144511  | 43.125 | ng/ul | 98       |
| 89) Di-n-octyl phthalate      | 22.306 | 149  | 1090259  | 43.870 | ng/ul | 100      |
| 90) Benzo(b)fluoranthene      | 23.124 | 252  | 1221222  | 46.000 | ng/ul | 98       |
| 91) Benzo(k)fluoranthene      | 23.171 | 252  | 1078105  | 44.773 | ng/ul | 99       |
| 93) Benzo(a)pyrene            | 23.736 | 252  | 1154711  | 45.973 | ng/ul | 99       |
| 94) Indeno(1,2,3-cd)pyrene    | 26.253 | 276  | 1264531  | 45.546 | ng/ul | 98       |
| 95) Dibenzo(a,h)anthracene    | 26.265 | 278  | 1080478  | 45.355 | ng/ul | 98       |
| 96) Benzo(g,h,i)perylene      | 26.988 | 276  | 1099188  | 45.243 | ng/ul | 99       |

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

