

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM111721\  
 Data File : BM033117.D  
 Acq On : 17 Nov 2021 11:12  
 Operator : CG/JU  
 Sample : SSTD01005  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTD010005

Quant Time: Nov 17 12:35:20 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

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.978  | 152  | 85916    | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.778 | 136  | 344282   | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.595 | 164  | 222997   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.330 | 188  | 465532   | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.483 | 240  | 429211   | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 23.836 | 264  | 410069   | 20.000 | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.425  | 96   | 9141     | 4.266  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.849  | 84   | 56995    | 9.415  | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 7.125  | 99   | 69608    | 9.528  | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.307  | 67   | 46081    | 10.985 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.507  | 132  | 53478    | 9.587  | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.672  | 113  | 53774    | 9.113  | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 9.137  | 128  | 23599    | 9.715  | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.854  | 143  | 23103    | 8.823  | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.390 | 165  | 55210    | 10.592 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.907 | 131  | 73987    | 9.623  | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 14.001 | 166  | 161136   | 10.441 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.289 | 160  | 206156   | 10.996 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.772 | 143  | 20500    | 6.764  | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.583 | 176  | 146130   | 11.165 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.689 | 200  | 14926    | 5.626  | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.430 | 188  | 218329   | 10.774 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.707 | 212  | 247308   | 11.453 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.683 | 264  | 212948   | 10.370 | ng/u1  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.461  | 88   | 9424     | 4.040  | ng/uL  | 98       |
| 5) Pyridine                   | 3.867  | 79   | 60469    | 10.100 | ng/u1  | 97       |
| 6) Benzaldehyde               | 7.119  | 77   | 51782    | 15.057 | ng/u1  | 97       |
| 8) Phenol                     | 7.155  | 94   | 70223    | 9.488  | ng/u1  | 99       |
| 10) Bis(2-Chloroethyl)ether   | 7.402  | 93   | 56408    | 9.686  | ng/u1  | 100      |
| 12) 2-Chlorophenol            | 7.537  | 128  | 56252    | 9.761  | ng/u1  | 97       |
| 13) 2-Methylphenol            | 8.407  | 108  | 53787    | 9.477  | ng/u1  | 97       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.502  | 45   | 89451    | 12.403 | ng/u1  | 97       |
| 16) Acetophenone              | 8.801  | 105  | 90176    | 10.431 | ng/u1  | 98       |
| 17) N-Nitroso-di-n-propyla... | 8.784  | 70   | 48585    | 11.383 | ng/u1  | 99       |
| 18) 4-Methylphenol            | 8.737  | 108  | 55855    | 9.389  | ng/u1  | 99       |
| 19) Hexachloroethane          | 9.054  | 117  | 25696    | 11.209 | ng/u1  | 93       |
| 22) Nitrobenzene              | 9.178  | 77   | 67612    | 11.724 | ng/u1  | 97       |
| 23) Isophorone                | 9.707  | 82   | 125076   | 11.241 | ng/u1  | 100      |
| 25) 2-Nitrophenol             | 9.890  | 139  | 23365    | 8.167  | ng/u1  | 94       |
| 26) 2,4-Dimethylphenol        | 9.943  | 107  | 69171    | 11.307 | ng/u1  | 98       |
| 27) Bis(2-Chloroethoxy)met... | 10.184 | 93   | 74689    | 10.122 | ng/u1  | 96       |
| 29) 2,4-Dichlorophenol        | 10.419 | 162  | 53799    | 10.485 | ng/u1  | 98       |
| 30) Naphthalene               | 10.825 | 128  | 184149   | 10.436 | ng/u1  | 99       |
| 32) 4-Chloroaniline           | 10.931 | 127  | 74718    | 9.680  | ng/u1  | 100      |
| 33) Hexachlorobutadiene       | 11.107 | 225  | 42284    | 12.773 | ng/u1  | 99       |
| 34) Caprolactam               | 11.719 | 113  | 13779    | 7.449  | ng/u1  | 98       |
| 35) 4-Chloro-3-methylphenol   | 12.037 | 107  | 58426    | 10.348 | ng/u1  | 96       |
| 36) 2-Methylnaphthalene       | 12.425 | 142  | 127489   | 10.623 | ng/u1  | 99       |

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Instrument :  
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|-------------------------------|--------|------|----------|--------|--------|----------|
| 37) 1-Methylnaphthalene       | 12.648 | 142  | 130163   | 10.651 | ng/ul  | 97       |
| 39) 1,2,4,5-Tetrachloroben... | 12.789 | 216  | 75167    | 12.224 | ng/ul  | 98       |
| 40) Hexachlorocyclopentadiene | 12.772 | 237  | 47543    | 13.269 | ng/ul  | 95       |
| 41) 2,4,6-Trichlorophenol     | 13.025 | 196  | 41828    | 10.622 | ng/ul  | 98       |
| 42) 2,4,5-Trichlorophenol     | 13.095 | 196  | 44959    | 10.404 | ng/ul  | 95       |
| 43) 1,1'-Biphenyl             | 13.431 | 154  | 175012   | 10.946 | ng/ul  | 99       |
| 44) 2-Chloronaphthalene       | 13.478 | 162  | 135401   | 11.112 | ng/ul  | 98       |
| 45) 2-Nitroaniline            | 13.678 | 65   | 31161    | 9.576  | ng/ul  | 96       |
| 47) Dimethylphthalate         | 14.048 | 163  | 158676   | 10.266 | ng/ul  | 99       |
| 48) 2,6-Dinitrotoluene        | 14.166 | 165  | 24357    | 8.456  | ng/ul  | 96       |
| 50) Acenaphthylene            | 14.319 | 152  | 212472   | 10.711 | ng/ul  | 100      |
| 51) 3-Nitroaniline            | 14.495 | 138  | 23845    | 7.920  | ng/ul  | 95       |
| 52) Acenaphthene              | 14.660 | 153  | 138309   | 10.559 | ng/ul  | 99       |
| 53) 2,4-Dinitrophenol         | 14.695 | 184  | 8010     | 4.324  | ng/ul# | 71       |
| 55) 4-Nitrophenol             | 14.783 | 109  | 22759    | 9.305  | ng/ul  | 93       |
| 56) Dibenzofuran              | 14.989 | 168  | 206304   | 10.868 | ng/ul  | 96       |
| 57) 2,4-Dinitrotoluene        | 14.948 | 165  | 33078    | 7.769  | ng/ul  | 97       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.213 | 232  | 36284    | 10.339 | ng/ul  | 96       |
| 59) Diethylphthalate          | 15.407 | 149  | 157593   | 10.221 | ng/ul  | 98       |
| 61) Fluorene                  | 15.636 | 166  | 162187   | 11.119 | ng/ul  | 98       |
| 62) 4-Chlorophenyl-phenyle... | 15.630 | 204  | 85241    | 11.570 | ng/ul  | 99       |
| 63) 4-Nitroaniline            | 15.648 | 138  | 24768    | 8.899  | ng/ul  | 92       |
| 66) 4,6-Dinitro-2-methylph... | 15.707 | 198  | 14579    | 5.591  | ng/ul# | 92       |
| 67) N-Nitrosodiphenylamine    | 15.842 | 169  | 135925   | 10.465 | ng/ul  | 97       |
| 68) 4-Bromophenyl-phenylether | 16.525 | 248  | 51887    | 11.565 | ng/ul  | 99       |
| 69) Hexachlorobenzene         | 16.630 | 284  | 57352    | 11.098 | ng/ul  | 98       |
| 70) Atrazine                  | 16.789 | 200  | 48208    | 9.820  | ng/ul  | 99       |
| 71) Pentachlorophenol         | 16.977 | 266  | 27269    | 8.753  | ng/ul  | 98       |
| 72) Phenanthrene              | 17.372 | 178  | 253715   | 10.559 | ng/ul  | 99       |
| 74) Anthracene                | 17.466 | 178  | 256355   | 10.621 | ng/ul  | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 13.395 | 216  | 76795    | 11.749 | ng/ul  | 96       |
| 76) Pentachlorobenzene        | 14.907 | 250  | 74913    | 11.540 | ng/ul  | 98       |
| 77) Carbazole                 | 17.730 | 167  | 220444   | 10.240 | ng/ul  | 99       |
| 78) Di-n-butylphthalate       | 18.289 | 149  | 236704   | 9.518  | ng/ul  | 99       |
| 80) Fluoranthene              | 19.377 | 202  | 294147   | 11.041 | ng/ul  | 99       |
| 82) Pyrene                    | 19.736 | 202  | 300598   | 10.983 | ng/ul  | 100      |
| 83) Butylbenzylphthalate      | 20.624 | 149  | 94355    | 9.085  | ng/ul  | 99       |
| 84) 3,3'-Dichlorobenzidine    | 21.401 | 252  | 91311    | 11.733 | ng/ul  | 97       |
| 85) Benzo(a)anthracene        | 21.465 | 228  | 273594   | 10.570 | ng/ul  | 99       |
| 86) Bis(2-ethylhexyl)phtha... | 21.395 | 149  | 136417   | 9.449  | ng/ul  | 99       |
| 87) Chrysene                  | 21.518 | 228  | 270366   | 10.609 | ng/ul  | 98       |
| 89) Di-n-octyl phthalate      | 22.306 | 149  | 220608   | 9.446  | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 23.118 | 252  | 266504   | 10.682 | ng/ul  | 99       |
| 91) Benzo(k)fluoranthene      | 23.171 | 252  | 255911   | 11.309 | ng/ul  | 98       |
| 93) Benzo(a)pyrene            | 23.730 | 252  | 255945   | 10.843 | ng/ul  | 98       |
| 94) Indeno(1,2,3-cd)pyrene    | 26.236 | 276  | 287608   | 11.023 | ng/ul  | 98       |
| 95) Dibenzo(a,h)anthracene    | 26.259 | 278  | 243480   | 10.876 | ng/ul  | 99       |
| 96) Benzo(g,h,i)perylene      | 26.983 | 276  | 245973   | 10.773 | ng/ul  | 97       |

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

