

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM083021\  
 Data File : BM031987.D  
 Acq On : 31 Aug 2021 16:33  
 Operator : CG/JU  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTD020059

Manual Integrations  
 APPROVED

mohammad  
 9/1/2021 4:03:00 PM

Quant Time: Aug 31 17:16:02 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SFAM-EPA-BM082821.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Aug 30 09:21:30 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.504  | 152  | 91640    | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.263 | 136  | 402256   | 20.000 | ng/u1  | # 0.00   |
| 38) Acenaphthene-d10          | 14.145 | 164  | 295508   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 16.904 | 188  | 646769   | 20.000 | ng/u1  | # 0.00   |
| 79) Chrysene-d12              | 21.115 | 240  | 676139   | 20.000 | ng/u1  | # 0.00   |
| 88) Perylene-d12              | 23.250 | 264  | 575455   | 20.000 | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.128  | 96   | 15636    | 7.873  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.522  | 84   | 106555   | 18.892 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 6.698  | 99   | 151093   | 19.883 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 6.863  | 67   | 84401    | 19.196 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.039  | 132  | 124485   | 21.288 | ng/u1  | -0.01    |
| 15) 4-Methylphenol-d8         | 8.216  | 113  | 127051   | 19.487 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 8.657  | 128  | 61224    | 20.955 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.363  | 143  | 73226    | 21.178 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 9.898  | 165  | 149187   | 21.505 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.416 | 131  | 193157   | 19.738 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.574 | 166  | 450726   | 20.157 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 13.833 | 160  | 551667   | 20.833 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.386 | 143  | 75072    | 18.548 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.151 | 176  | 397254   | 20.210 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.292 | 200  | 71177    | 16.016 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.004 | 188  | 628979   | 20.489 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.309 | 212  | 692759   | 21.874 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.121 | 264  | 629302   | 20.808 | ng/u1  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.163  | 88   | 16274    | 6.796  | ng/uL# | 77       |
| 5) Pyridine                   | 3.540  | 79   | 117651   | 20.290 | ng/u1  | 92       |
| 6) Benzaldehyde               | 6.675  | 77   | 44154m   | 12.835 | ng/u1  |          |
| 8) Phenol                     | 6.728  | 94   | 152560   | 19.951 | ng/u1  | 95       |
| 10) Bis(2-Chloroethyl)ether   | 6.951  | 93   | 114011   | 19.576 | ng/u1  | 92       |
| 12) 2-Chlorophenol            | 7.075  | 128  | 124281   | 21.283 | ng/u1  | 95       |
| 13) 2-Methylphenol            | 7.951  | 108  | 115397   | 19.572 | ng/u1  | 99       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.039  | 45   | 144668   | 19.114 | ng/u1# | 89       |
| 16) Acetophenone              | 8.328  | 105  | 195473   | 19.143 | ng/u1  | 96       |
| 17) N-Nitroso-di-n-propyla... | 8.316  | 70   | 97103    | 19.492 | ng/u1  | 94       |
| 18) 4-Methylphenol            | 8.281  | 108  | 128903   | 19.688 | ng/u1  | 100      |
| 19) Hexachloroethane          | 8.551  | 117  | 50446    | 20.167 | ng/u1  | 91       |
| 22) Nitrobenzene              | 8.698  | 77   | 151769   | 20.576 | ng/u1  | 99       |
| 23) Isophorone                | 9.222  | 82   | 267880   | 19.732 | ng/u1# | 95       |
| 25) 2-Nitrophenol             | 9.398  | 139  | 76556    | 21.254 | ng/u1  | 94       |
| 26) 2,4-Dimethylphenol        | 9.463  | 107  | 152566   | 20.808 | ng/u1  | 99       |
| 27) Bis(2-Chloroethoxy)met... | 9.704  | 93   | 161121   | 20.022 | ng/u1  | 97       |
| 29) 2,4-Dichlorophenol        | 9.922  | 162  | 141964   | 21.514 | ng/u1  | 98       |
| 30) Naphthalene               | 10.310 | 128  | 406138   | 20.168 | ng/u1  | 99       |
| 32) 4-Chloroaniline           | 10.439 | 127  | 192585   | 19.729 | ng/u1  | 99       |
| 33) Hexachlorobutadiene       | 10.586 | 225  | 89428    | 20.429 | ng/u1  | 97       |
| 34) Caprolactam               | 11.233 | 113  | 40205m   | 18.279 | ng/u1  |          |
| 35) 4-Chloro-3-methylphenol   | 11.574 | 107  | 143875   | 20.791 | ng/u1  | 100      |
| 36) 2-Methylnaphthalene       | 11.933 | 142  | 317281   | 19.983 | ng/u1  | 99       |

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|-------------------------------|--------|------|----------|--------|--------|----------|
| 37) 1-Methylnaphthalene       | 12.157 | 142  | 325422   | 20.122 | ng/ul  | 99       |
| 39) 1,2,4,5-Tetrachloroben... | 12.310 | 216  | 179852   | 21.202 | ng/ul  | 99       |
| 40) Hexachlorocyclopentadiene | 12.274 | 237  | 75684    | 16.576 | ng/ul  | 98       |
| 41) 2,4,6-Trichlorophenol     | 12.563 | 196  | 123374   | 21.710 | ng/ul  | 97       |
| 42) 2,4,5-Trichlorophenol     | 12.639 | 196  | 132558   | 21.480 | ng/ul  | 99       |
| 43) 1,1'-Biphenyl             | 12.969 | 154  | 430273   | 20.700 | ng/ul  | 98       |
| 44) 2-Chloronaphthalene       | 13.004 | 162  | 339874   | 20.639 | ng/ul  | 99       |
| 45) 2-Nitroaniline            | 13.233 | 65   | 93594    | 20.629 | ng/ul  | 99       |
| 47) Dimethylphthalate         | 13.621 | 163  | 436128   | 19.864 | ng/ul  | 99       |
| 48) 2,6-Dinitrotoluene        | 13.745 | 165  | 90431    | 20.877 | ng/ul  | 97       |
| 50) Acenaphthylene            | 13.863 | 152  | 500660   | 20.547 | ng/ul  | 99       |
| 51) 3-Nitroaniline            | 14.080 | 138  | 69173    | 17.065 | ng/ul  | 95       |
| 52) Acenaphthene              | 14.210 | 153  | 361196   | 20.410 | ng/ul  | 97       |
| 53) 2,4-Dinitrophenol         | 14.298 | 184  | 41774    | 13.794 | ng/ul  | 92       |
| 55) 4-Nitrophenol             | 14.404 | 109  | 69079    | 18.488 | ng/ul  | 91       |
| 56) Dibenzofuran              | 14.551 | 168  | 532007   | 20.385 | ng/ul  | 100      |
| 57) 2,4-Dinitrotoluene        | 14.545 | 165  | 130290   | 20.055 | ng/ul# | 75       |
| 58) 2,3,4,6-Tetrachlorophenol | 14.786 | 232  | 115233   | 20.800 | ng/ul  | 99       |
| 59) Diethylphthalate          | 14.998 | 149  | 445355   | 19.846 | ng/ul  | 98       |
| 61) Fluorene                  | 15.204 | 166  | 443100   | 20.066 | ng/ul  | 99       |
| 62) 4-Chlorophenyl-phenyle... | 15.210 | 204  | 227425   | 20.109 | ng/ul  | 98       |
| 63) 4-Nitroaniline            | 15.251 | 138  | 62844m   | 17.308 | ng/ul  |          |
| 66) 4,6-Dinitro-2-methylph... | 15.310 | 198  | 71013    | 16.434 | ng/ul  | 98       |
| 67) N-Nitrosodiphenylamine    | 15.427 | 169  | 382407   | 20.589 | ng/ul  | 99       |
| 68) 4-Bromophenyl-phenylether | 16.104 | 248  | 137540   | 20.752 | ng/ul  | 96       |
| 69) Hexachlorobenzene         | 16.204 | 284  | 157014   | 20.404 | ng/ul  | 99       |
| 70) Atrazine                  | 16.398 | 200  | 138968   | 19.858 | ng/ul  | 96       |
| 71) Pentachlorophenol         | 16.557 | 266  | 96416    | 19.160 | ng/ul  | 97       |
| 72) Phenanthrene              | 16.945 | 178  | 708194   | 20.048 | ng/ul  | 99       |
| 74) Anthracene                | 17.039 | 178  | 739888   | 20.466 | ng/ul  | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 12.927 | 216  | 179780   | 21.360 | ng/ul  | 99       |
| 76) Pentachlorobenzene        | 14.468 | 250  | 187164   | 21.197 | ng/ul  | 94       |
| 77) Carbazole                 | 17.321 | 167  | 640615   | 19.361 | ng/ul  | 99       |
| 78) Di-n-butylphthalate       | 17.892 | 149  | 792114   | 20.892 | ng/ul  | 100      |
| 80) Fluoranthene              | 18.974 | 202  | 845114   | 21.961 | ng/ul# | 94       |
| 82) Pyrene                    | 19.339 | 202  | 883697   | 21.689 | ng/ul# | 94       |
| 83) Butylbenzylphthalate      | 20.262 | 149  | 365671   | 22.857 | ng/ul  | 99       |
| 84) 3,3'-Dichlorobenzidine    | 21.044 | 252  | 221849   | 14.574 | ng/ul  | 99       |
| 85) Benzo(a)anthracene        | 21.097 | 228  | 861980   | 20.495 | ng/ul  | 98       |
| 86) Bis(2-ethylhexyl)phtha... | 21.044 | 149  | 584123   | 22.640 | ng/ul  | 97       |
| 87) Chrysene                  | 21.150 | 228  | 821797   | 20.314 | ng/ul  | 99       |
| 89) Di-n-octyl phthalate      | 21.903 | 149  | 995634   | 25.361 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 22.621 | 252  | 805687   | 21.975 | ng/ul  | 98       |
| 91) Benzo(k)fluoranthene      | 22.662 | 252  | 785541   | 22.131 | ng/ul# | 98       |
| 93) Benzo(a)pyrene            | 23.162 | 252  | 683176   | 20.635 | ng/ul  | 98       |
| 94) Indeno(1,2,3-cd)pyrene    | 25.362 | 276  | 766743   | 18.095 | ng/ul  | 95       |
| 95) Dibenzo(a,h)anthracene    | 25.374 | 278  | 647346   | 18.165 | ng/ul  | 96       |
| 96) Benzo(g,h,i)perylene      | 25.997 | 276  | 616670   | 17.575 | ng/ul  | 97       |

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

