

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG101923\  
 Data File : BG059487.D  
 Acq On : 19 Oct 2023 11:11  
 Operator : MA/JU  
 Sample : SSTD02057  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSTD020429

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 10/20/2023  
 Supervised By :mohammad ahmed 10/20/2023

Quant Time: Oct 20 03:00:21 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG101923.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Oct 20 02:34:07 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.183  | 152  | 53328    | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 11.026 | 136  | 183345   | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.828 | 164  | 117453   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.578 | 188  | 274421   | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.873 | 240  | 283795   | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 25.310 | 264  | 322989   | 20.000 | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.476  | 96   | 10250    | 6.029  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.911  | 84   | 93652    | 16.133 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 7.313  | 99   | 84530    | 15.907 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.507  | 67   | 50880    | 16.704 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.701  | 132  | 65538    | 15.440 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.882  | 113  | 85788    | 18.739 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 9.387  | 128  | 43952    | 24.564 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 10.104 | 143  | 35260    | 20.021 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.633 | 165  | 62341    | 19.133 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 11.173 | 131  | 96689    | 19.984 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 14.223 | 166  | 200299   | 17.562 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.528 | 160  | 242520   | 18.470 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 15.016 | 143  | 36301    | 19.403 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.815 | 176  | 187330   | 19.235 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.927 | 200  | 35744    | 19.367 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.677 | 188  | 295345   | 19.544 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.951 | 212  | 353097   | 18.962 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 25.075 | 264  | 362862   | 19.632 | ng/u1  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.518  | 88   | 10972m   | 5.615  | ng/uL  |          |
| 5) Pyridine                   | 3.935  | 79   | 97852    | 16.272 | ng/u1  | 100      |
| 6) Benzaldehyde               | 7.337  | 77   | 45098    | 18.850 | ng/u1  | 100      |
| 8) Phenol                     | 7.343  | 94   | 85311    | 16.237 | ng/u1  | 100      |
| 10) Bis(2-Chloroethyl)ether   | 7.607  | 93   | 67739    | 14.935 | ng/u1  | 100      |
| 12) 2-Chlorophenol            | 7.742  | 128  | 63211    | 14.770 | ng/u1  | 100      |
| 13) 2-Methylphenol            | 8.617  | 108  | 85065    | 19.049 | ng/u1  | 100      |
| 14) 2,2'-oxybis(1-Chloropr... | 8.694  | 45   | 202566   | 20.040 | ng/u1  | 100      |
| 16) Acetophenone              | 9.035  | 105  | 146626   | 21.215 | ng/u1  | 100      |
| 17) N-Nitroso-di-n-propyla... | 8.993  | 70   | 81219    | 22.621 | ng/u1  | 100      |
| 18) 4-Methylphenol            | 8.947  | 108  | 97883    | 20.277 | ng/u1  | 100      |
| 19) Hexachloroethane          | 9.270  | 117  | 34999    | 19.879 | ng/u1  | 100      |
| 22) Nitrobenzene              | 9.428  | 77   | 113538   | 27.561 | ng/u1  | 100      |
| 23) Isophorone                | 9.934  | 82   | 176439   | 22.331 | ng/u1  | 100      |
| 25) 2-Nitrophenol             | 10.139 | 139  | 35425    | 19.110 | ng/u1  | 100      |
| 26) 2,4-Dimethylphenol        | 10.169 | 107  | 66857    | 18.989 | ng/u1  | 100      |
| 27) Bis(2-Chloroethoxy)met... | 10.421 | 93   | 93568    | 19.054 | ng/u1  | 100      |
| 29) 2,4-Dichlorophenol        | 10.662 | 162  | 62192    | 18.990 | ng/u1  | 100      |
| 30) Naphthalene               | 11.079 | 128  | 221139   | 19.194 | ng/u1  | 100      |
| 32) 4-Chloroaniline           | 11.197 | 127  | 92075    | 20.058 | ng/u1  | 100      |
| 33) Hexachlorobutadiene       | 11.308 | 225  | 39478    | 18.793 | ng/u1  | 100      |
| 34) Caprolactam               | 11.972 | 113  | 20527m   | 19.824 | ng/u1  |          |
| 35) 4-Chloro-3-methylphenol   | 12.284 | 107  | 61931    | 19.238 | ng/u1  | 100      |
| 36) 2-Methylnaphthalene       | 12.672 | 142  | 143376   | 18.855 | ng/u1  | 100      |

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| 37) 1-Methylnaphthalene       | 12.889 | 142  | 149127   | 19.242 | ng/ul | 100      |
| 39) 1,2,4,5-Tetrachloroben... | 13.012 | 216  | 74536    | 18.834 | ng/ul | 100      |
| 40) Hexachlorocyclopentadiene | 12.965 | 237  | 41837    | 18.966 | ng/ul | 100      |
| 41) 2,4,6-Trichlorophenol     | 13.259 | 196  | 45787    | 18.848 | ng/ul | 100      |
| 42) 2,4,5-Trichlorophenol     | 13.330 | 196  | 52396    | 18.860 | ng/ul | 100      |
| 43) 1,1'-Biphenyl             | 13.665 | 154  | 208692   | 18.965 | ng/ul | 100      |
| 44) 2-Chloronaphthalene       | 13.717 | 162  | 156110   | 18.043 | ng/ul | 100      |
| 45) 2-Nitroaniline            | 13.935 | 65   | 48876    | 17.327 | ng/ul | 100      |
| 47) Dimethylphthalate         | 14.270 | 163  | 200889   | 17.840 | ng/ul | 100      |
| 48) 2,6-Dinitrotoluene        | 14.417 | 165  | 37705    | 17.010 | ng/ul | 100      |
| 50) Acenaphthylene            | 14.558 | 152  | 253235   | 17.912 | ng/ul | 100      |
| 51) 3-Nitroaniline            | 14.751 | 138  | 41380    | 19.368 | ng/ul | 100      |
| 52) Acenaphthene              | 14.892 | 153  | 174078   | 19.109 | ng/ul | 100      |
| 53) 2,4-Dinitrophenol         | 14.951 | 184  | 18340    | 16.311 | ng/ul | 100      |
| 55) 4-Nitrophenol             | 15.028 | 109  | 24118m   | 18.658 | ng/ul |          |
| 56) Dibenzofuran              | 15.227 | 168  | 238311   | 19.401 | ng/ul | 100      |
| 57) 2,4-Dinitrotoluene        | 15.198 | 165  | 59650    | 19.665 | ng/ul | 100      |
| 58) 2,3,4,6-Tetrachlorophenol | 15.433 | 232  | 47619    | 19.131 | ng/ul | 100      |
| 59) Diethylphthalate          | 15.615 | 149  | 192218   | 18.704 | ng/ul | 100      |
| 61) Fluorene                  | 15.874 | 166  | 197729   | 19.231 | ng/ul | 100      |
| 62) 4-Chlorophenyl-phenyle... | 15.856 | 204  | 100060   | 19.075 | ng/ul | 100      |
| 63) 4-Nitroaniline            | 15.915 | 138  | 44423    | 21.637 | ng/ul | 100      |
| 66) 4,6-Dinitro-2-methylph... | 15.944 | 198  | 39233    | 20.044 | ng/ul | 100      |
| 67) N-Nitrosodiphenylamine    | 16.073 | 169  | 163927   | 19.334 | ng/ul | 100      |
| 68) 4-Bromophenyl-phenylether | 16.749 | 248  | 61186    | 19.768 | ng/ul | 100      |
| 69) Hexachlorobenzene         | 16.843 | 284  | 68819    | 19.629 | ng/ul | 100      |
| 70) Atrazine                  | 17.008 | 200  | 61900    | 20.471 | ng/ul | 100      |
| 71) Pentachlorophenol         | 17.202 | 266  | 37407m   | 19.160 | ng/ul |          |
| 72) Phenanthrene              | 17.619 | 178  | 346949   | 19.373 | ng/ul | 100      |
| 74) Anthracene                | 17.713 | 178  | 358591   | 19.450 | ng/ul | 100      |
| 75) 1,2,3,4-Tetrachloroben... | 13.623 | 216  | 77735    | 19.255 | ng/uL | 100      |
| 76) Pentachlorobenzene        | 15.122 | 250  | 78618    | 19.882 | ng/uL | 100      |
| 77) Carbazole                 | 17.989 | 167  | 310983   | 21.046 | ng/ul | 100      |
| 78) Di-n-butylphthalate       | 18.494 | 149  | 365252   | 20.252 | ng/ul | 100      |
| 80) Fluoranthene              | 19.616 | 202  | 430254   | 18.736 | ng/ul | 100      |
| 82) Pyrene                    | 19.981 | 202  | 458779   | 18.953 | ng/ul | 100      |
| 83) Butylbenzylphthalate      | 20.833 | 149  | 166464   | 19.813 | ng/ul | 100      |
| 84) 3,3'-Dichlorobenzidine    | 21.767 | 252  | 159601   | 20.962 | ng/ul | 100      |
| 85) Benzo(a)anthracene        | 21.849 | 228  | 451856   | 19.236 | ng/ul | 100      |
| 86) Bis(2-ethylhexyl)phtha... | 21.679 | 149  | 236232   | 19.272 | ng/ul | 100      |
| 87) Chrysene                  | 21.920 | 228  | 416916   | 18.987 | ng/ul | 100      |
| 89) Di-n-octyl phthalate      | 22.959 | 149  | 400652   | 20.531 | ng/ul | 100      |
| 90) Benzo(b)fluoranthene      | 24.199 | 252  | 442923   | 19.260 | ng/ul | 100      |
| 91) Benzo(k)fluoranthene      | 24.276 | 252  | 464874   | 19.552 | ng/ul | 100      |
| 93) Benzo(a)pyrene            | 25.151 | 252  | 424316   | 19.370 | ng/ul | 100      |
| 94) Indeno(1,2,3-cd)pyrene    | 29.293 | 276  | 479931   | 19.206 | ng/ul | 100      |
| 95) Dibenzo(a,h)anthracene    | 29.358 | 278  | 394153   | 19.433 | ng/ul | 100      |
| 96) Benzo(g,h,i)perylene      | 30.568 | 276  | 389859m  | 18.563 | ng/ul |          |

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

