

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG081924\  
 Data File : BG062465.D  
 Acq On : 19 Aug 2024 15:50  
 Operator : MA/JU  
 Sample : SSTDCCC020EC  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSTD020462

Quant Time: Aug 20 00:51:04 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG081424.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Aug 14 15:31:21 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.943  | 152  | 47500    | 20.000 | ng/u1  | -0.02    |
| 20) Naphthalene-d8            | 10.739 | 136  | 248751   | 20.000 | ng/u1  | -0.02    |
| 38) Acenaphthene-d10          | 14.563 | 164  | 199101   | 20.000 | ng/u1  | -0.02    |
| 64) Phenanthrene-d10          | 17.306 | 188  | 458597   | 20.000 | ng/u1  | -0.01    |
| 79) Chrysene-d12              | 21.548 | 240  | 454520   | 20.000 | ng/u1  | -0.02    |
| 88) Perylene-d12              | 24.620 | 264  | 508674   | 20.000 | ng/u1  | -0.03    |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.408  | 96   | 11454    | 9.155  | ng/uL  | -0.01    |
| 4) Pyridine-d5                | 3.813  | 84   | 85306    | 22.376 | ng/u1  | -0.01    |
| 7) Phenol-d5                  | 7.103  | 99   | 94867    | 20.076 | ng/u1  | -0.02    |
| 9) Bis-(2-Chloroethyl)eth...  | 7.273  | 67   | 59611    | 20.027 | ng/u1  | -0.01    |
| 11) 2-Chlorophenol-d4         | 7.473  | 132  | 67071    | 20.779 | ng/u1  | -0.02    |
| 15) 4-Methylphenol-d8         | 8.642  | 113  | 81327    | 20.532 | ng/u1  | -0.02    |
| 21) Nitrobenzene-d5           | 9.094  | 128  | 36126    | 22.646 | ng/u1  | -0.02    |
| 24) 2-Nitrophenol-d4          | 9.817  | 143  | 39367    | 24.808 | ng/u1  | -0.02    |
| 28) 2,4-Dichlorophenol-d3     | 10.351 | 165  | 82666    | 20.452 | ng/u1  | -0.02    |
| 31) 4-Chloroaniline-d4        | 10.862 | 131  | 121571   | 18.966 | ng/u1  | -0.02    |
| 46) Dimethylphthalate-d6      | 13.970 | 166  | 292049   | 18.857 | ng/u1  | -0.02    |
| 49) Acenaphthylene-d8         | 14.258 | 160  | 325848   | 19.002 | ng/u1  | -0.02    |
| 54) 4-Nitrophenol-d4          | 14.751 | 143  | 50811    | 20.566 | ng/u1  | -0.01    |
| 60) Fluorene-d10              | 15.556 | 176  | 267859   | 19.176 | ng/u1  | -0.02    |
| 65) 4,6-Dinitro-2-methylph... | 15.667 | 200  | 44866    | 21.532 | ng/u1  | -0.02    |
| 73) Anthracene-d10            | 17.400 | 188  | 427976   | 19.427 | ng/u1  | -0.02    |
| 81) Pyrene-d10                | 19.686 | 212  | 522745   | 19.638 | ng/u1  | -0.02    |
| 92) Benzo(a)pyrene-d12        | 24.414 | 264  | 520210   | 19.270 | ng/u1  | -0.03    |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.443  | 88   | 12018    | 8.999  | ng/uL  | 91       |
| 5) Pyridine                   | 3.831  | 79   | 91563    | 22.826 | ng/u1  | 91       |
| 6) Benzaldehyde               | 7.085  | 77   | 61640    | 25.163 | ng/u1  | 99       |
| 8) Phenol                     | 7.132  | 94   | 99703    | 20.108 | ng/u1  | 96       |
| 10) Bis(2-Chloroethyl)ether   | 7.361  | 93   | 72515    | 19.765 | ng/u1  | 99       |
| 12) 2-Chlorophenol            | 7.508  | 128  | 72072    | 21.586 | ng/u1  | 96       |
| 13) 2-Methylphenol            | 8.377  | 108  | 76087    | 20.392 | ng/u1  | 97       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.460  | 45   | 153874   | 20.319 | ng/u1  | 98       |
| 16) Acetophenone              | 8.759  | 105  | 133715   | 20.608 | ng/u1  | 99       |
| 17) N-Nitroso-di-n-propyla... | 8.747  | 70   | 72841    | 21.274 | ng/u1  | 96       |
| 18) 4-Methylphenol            | 8.700  | 108  | 89180    | 20.867 | ng/u1  | 93       |
| 19) Hexachloroethane          | 9.023  | 117  | 27467    | 20.675 | ng/u1  | 95       |
| 22) Nitrobenzene              | 9.135  | 77   | 96367    | 21.386 | ng/u1  | 97       |
| 23) Isophorone                | 9.664  | 82   | 204306   | 19.199 | ng/u1  | 98       |
| 25) 2-Nitrophenol             | 9.846  | 139  | 44829    | 25.286 | ng/u1  | 98       |
| 26) 2,4-Dimethylphenol        | 9.905  | 107  | 96055    | 19.868 | ng/u1  | 98       |
| 27) Bis(2-Chloroethoxy)met... | 10.145 | 93   | 114118   | 19.279 | ng/u1  | 98       |
| 29) 2,4-Dichlorophenol        | 10.380 | 162  | 83217    | 20.049 | ng/u1  | 96       |
| 30) Naphthalene               | 10.786 | 128  | 278629   | 19.313 | ng/u1  | 99       |
| 32) 4-Chloroaniline           | 10.886 | 127  | 119025   | 19.100 | ng/u1  | 98       |
| 33) Hexachlorobutadiene       | 11.080 | 225  | 58833    | 18.647 | ng/u1  | 99       |
| 34) Caprolactam               | 11.638 | 113  | 31145m   | 18.604 | ng/u1  |          |
| 35) 4-Chloro-3-methylphenol   | 12.008 | 107  | 101711   | 20.942 | ng/u1  | 97       |
| 36) 2-Methylnaphthalene       | 12.390 | 142  | 198048   | 19.439 | ng/u1  | 99       |

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|-------------------------------|--------|------|----------|--------|--------|----------|
| 37) 1-Methylnaphthalene       | 12.607 | 142  | 202816   | 19.511 | ng/ul  | 96       |
| 39) 1,2,4,5-Tetrachloroben... | 12.760 | 216  | 128480   | 19.324 | ng/ul  | 100      |
| 40) Hexachlorocyclopentadiene | 12.742 | 237  | 65957    | 19.354 | ng/ul  | 99       |
| 41) 2,4,6-Trichlorophenol     | 12.995 | 196  | 80101    | 20.944 | ng/ul  | 96       |
| 42) 2,4,5-Trichlorophenol     | 13.065 | 196  | 88395    | 22.014 | ng/ul  | 97       |
| 43) 1,1'-Biphenyl             | 13.400 | 154  | 288315   | 19.114 | ng/ul  | 98       |
| 44) 2-Chloronaphthalene       | 13.441 | 162  | 226830   | 19.434 | ng/ul  | 100      |
| 45) 2-Nitroaniline            | 13.635 | 65   | 69761    | 23.075 | ng/ul  | 99       |
| 47) Dimethylphthalate         | 14.017 | 163  | 297244   | 18.931 | ng/ul  | 100      |
| 48) 2,6-Dinitrotoluene        | 14.134 | 165  | 52817    | 23.553 | ng/ul  | 90       |
| 50) Acenaphthylene            | 14.287 | 152  | 353654   | 19.263 | ng/ul  | 99       |
| 51) 3-Nitroaniline            | 14.457 | 138  | 54830    | 21.459 | ng/ul  | 99       |
| 52) Acenaphthene              | 14.628 | 153  | 263724   | 19.194 | ng/ul  | 98       |
| 53) 2,4-Dinitrophenol         | 14.663 | 184  | 29619    | 20.940 | ng/ul  | 89       |
| 55) 4-Nitrophenol             | 14.763 | 109  | 43062    | 20.306 | ng/ul  | 99       |
| 56) Dibenzofuran              | 14.963 | 168  | 373369   | 19.317 | ng/ul  | 100      |
| 57) 2,4-Dinitrotoluene        | 14.916 | 165  | 79383    | 23.255 | ng/ul  | 97       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.186 | 232  | 85260    | 22.084 | ng/ul# | 100      |
| 59) Diethylphthalate          | 15.385 | 149  | 293095   | 18.705 | ng/ul  | 99       |
| 61) Fluorene                  | 15.609 | 166  | 289273   | 18.988 | ng/ul  | 99       |
| 62) 4-Chlorophenyl-phenyle... | 15.603 | 204  | 149660   | 19.117 | ng/ul  | 98       |
| 63) 4-Nitroaniline            | 15.620 | 138  | 57011    | 21.347 | ng/ul  | 93       |
| 66) 4,6-Dinitro-2-methylph... | 15.679 | 198  | 49432    | 21.055 | ng/ul  | 99       |
| 67) N-Nitrosodiphenylamine    | 15.814 | 169  | 256706   | 19.309 | ng/ul  | 98       |
| 68) 4-Bromophenyl-phenylether | 16.496 | 248  | 102918   | 19.997 | ng/ul  | 97       |
| 69) Hexachlorobenzene         | 16.613 | 284  | 116345   | 19.403 | ng/ul  | 97       |
| 70) Atrazine                  | 16.760 | 200  | 106386   | 19.192 | ng/ul  | 99       |
| 71) Pentachlorophenol         | 16.954 | 266  | 72938    | 20.844 | ng/ul  | 98       |
| 72) Phenanthrene              | 17.348 | 178  | 493170   | 19.138 | ng/ul  | 99       |
| 74) Anthracene                | 17.436 | 178  | 510136   | 19.325 | ng/ul  | 100      |
| 75) 1,2,3,4-Tetrachloroben... | 13.365 | 216  | 130189   | 19.859 | ng/ul  | 98       |
| 76) Pentachlorobenzene        | 14.880 | 250  | 137062   | 19.931 | ng/ul  | 98       |
| 77) Carbazole                 | 17.700 | 167  | 423203   | 19.086 | ng/ul  | 99       |
| 78) Di-n-butylphthalate       | 18.270 | 149  | 511560   | 19.285 | ng/ul  | 99       |
| 80) Fluoranthene              | 19.351 | 202  | 588433   | 19.788 | ng/ul  | 99       |
| 82) Pyrene                    | 19.715 | 202  | 634986   | 19.811 | ng/ul  | 99       |
| 83) Butylbenzylphthalate      | 20.608 | 149  | 222395   | 20.599 | ng/ul  | 98       |
| 84) 3,3'-Dichlorobenzidine    | 21.442 | 252  | 208238   | 20.991 | ng/ul  | 96       |
| 85) Benzo(a)anthracene        | 21.524 | 228  | 637681   | 19.329 | ng/ul  | 99       |
| 86) Bis(2-ethylhexyl)phtha... | 21.448 | 149  | 328332   | 20.815 | ng/ul  | 99       |
| 87) Chrysene                  | 21.589 | 228  | 596882   | 19.084 | ng/ul  | 99       |
| 89) Di-n-octyl phthalate      | 22.617 | 149  | 565413   | 20.842 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 23.651 | 252  | 590434   | 19.214 | ng/ul  | 99       |
| 91) Benzo(k)fluoranthene      | 23.715 | 252  | 588449   | 18.972 | ng/ul  | 99       |
| 93) Benzo(a)pyrene            | 24.479 | 252  | 555028   | 19.159 | ng/ul  | 99       |
| 94) Indeno(1,2,3-cd)pyrene    | 28.092 | 276  | 702291   | 19.073 | ng/ul  | 98       |
| 95) Dibenzo(a,h)anthracene    | 28.156 | 278  | 571903   | 19.163 | ng/ul  | 99       |
| 96) Benzo(g,h,i)perylene      | 29.179 | 276  | 529881   | 18.712 | ng/ul  | 99       |

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

