

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG122422\  
 Data File : BG056124.D  
 Acq On : 25 Dec 2022 16:53  
 Operator : CG/JU  
 Sample : SSTDCCC020EC  
 Misc :  
 ALS Vial : 34 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSTD020582

Quant Time: Dec 25 22:38:26 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG122422.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Sat Dec 24 22:54:38 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.348  | 152  | 53411    | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 11.180 | 136  | 211021   | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.952 | 164  | 179398   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.690 | 188  | 447886   | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.991 | 240  | 433585   | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 25.457 | 264  | 476506   | 20.000 | ng/u1  | -0.01    |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.648  | 96   | 9641     | 7.556  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 4.082  | 84   | 78501    | 18.869 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 7.478  | 99   | 97441    | 20.112 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.655  | 67   | 38358    | 20.088 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.872  | 132  | 64629    | 22.570 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 9.041  | 113  | 78771    | 21.603 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 9.517  | 128  | 34472    | 22.429 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 10.246 | 143  | 44482    | 22.151 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.786 | 165  | 97205    | 21.784 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 11.303 | 131  | 100185   | 19.849 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 14.341 | 166  | 282378   | 20.337 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.652 | 160  | 319721   | 20.390 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 15.117 | 143  | 43701    | 20.909 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.939 | 176  | 267058   | 19.486 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 16.045 | 200  | 59049    | 20.509 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.790 | 188  | 422700   | 20.423 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 20.052 | 212  | 505485   | 21.110 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 25.222 | 264  | 500551   | 20.667 | ng/u1  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.689  | 88   | 9916     | 6.948  | ng/uL# | 94       |
| 5) Pyridine                   | 4.106  | 79   | 72367    | 18.087 | ng/u1# | 91       |
| 6) Benzaldehyde               | 7.473  | 77   | 35684    | 20.062 | ng/u1  | 94       |
| 8) Phenol                     | 7.502  | 94   | 97588    | 20.239 | ng/u1  | 98       |
| 10) Bis(2-Chloroethyl)ether   | 7.749  | 93   | 61885    | 19.498 | ng/u1  | 92       |
| 12) 2-Chlorophenol            | 7.901  | 128  | 65652    | 22.827 | ng/u1  | 91       |
| 13) 2-Methylphenol            | 8.771  | 108  | 75727    | 20.917 | ng/u1  | 99       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.859  | 45   | 10112    | 24.805 | ng/u1# | 61       |
| 16) Acetophenone              | 9.171  | 105  | 118039   | 19.543 | ng/u1  | 96       |
| 17) N-Nitroso-di-n-propyla... | 9.147  | 70   | 49656    | 19.445 | ng/u1# | 90       |
| 18) 4-Methylphenol            | 9.106  | 108  | 81506    | 20.784 | ng/u1  | 98       |
| 19) Hexachloroethane          | 9.447  | 117  | 25484    | 22.038 | ng/u1  | 87       |
| 22) Nitrobenzene              | 9.558  | 77   | 81787    | 21.445 | ng/u1  | 98       |
| 23) Isophorone                | 10.081 | 82   | 158819   | 18.214 | ng/u1  | 97       |
| 25) 2-Nitrophenol             | 10.281 | 139  | 43209    | 22.291 | ng/u1# | 78       |
| 26) 2,4-Dimethylphenol        | 10.316 | 107  | 93485    | 20.381 | ng/u1  | 95       |
| 27) Bis(2-Chloroethoxy)met... | 10.557 | 93   | 87126    | 19.280 | ng/u1  | 99       |
| 29) 2,4-Dichlorophenol        | 10.816 | 162  | 89665    | 21.038 | ng/u1# | 91       |
| 30) Naphthalene               | 11.233 | 128  | 230170   | 20.934 | ng/u1  | 98       |
| 32) 4-Chloroaniline           | 11.327 | 127  | 99842    | 19.630 | ng/u1  | 98       |
| 33) Hexachlorobutadiene       | 11.509 | 225  | 77671    | 19.447 | ng/u1  | 97       |
| 34) Caprolactam               | 12.073 | 113  | 25210    | 18.502 | ng/u1# | 67       |
| 35) 4-Chloro-3-methylphenol   | 12.414 | 107  | 85770    | 20.948 | ng/u1  | 95       |
| 36) 2-Methylnaphthalene       | 12.807 | 142  | 177723   | 20.161 | ng/u1  | 96       |

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|-------------------------------|--------|------|----------|--------|--------|----------|
| 37) 1-Methylnaphthalene       | 13.025 | 142  | 182545   | 20.556 | ng/ul  | 95       |
| 39) 1,2,4,5-Tetrachloroben... | 13.166 | 216  | 151460   | 20.471 | ng/ul  | 97       |
| 40) Hexachlorocyclopentadiene | 13.142 | 237  | 75885    | 15.819 | ng/ul  | 94       |
| 41) 2,4,6-Trichlorophenol     | 13.395 | 196  | 93723    | 21.492 | ng/ul  | 88       |
| 42) 2,4,5-Trichlorophenol     | 13.465 | 196  | 101665   | 21.502 | ng/ul  | 89       |
| 43) 1,1'-Biphenyl             | 13.795 | 154  | 267272   | 21.073 | ng/ul  | 100      |
| 44) 2-Chloronaphthalene       | 13.842 | 162  | 218169   | 20.754 | ng/ul  | 96       |
| 45) 2-Nitroaniline            | 14.035 | 65   | 39775    | 27.246 | ng/ul# | 68       |
| 47) Dimethylphthalate         | 14.388 | 163  | 273737   | 19.882 | ng/ul  | 99       |
| 48) 2,6-Dinitrotoluene        | 14.517 | 165  | 58807    | 21.639 | ng/ul  | 96       |
| 50) Acenaphthylene            | 14.682 | 152  | 322298   | 20.683 | ng/ul  | 98       |
| 51) 3-Nitroaniline            | 14.846 | 138  | 45100    | 22.093 | ng/ul  | 98       |
| 52) Acenaphthene              | 15.017 | 153  | 226549   | 20.695 | ng/ul  | 93       |
| 53) 2,4-Dinitrophenol         | 15.046 | 184  | 39165    | 18.515 | ng/ul# | 91       |
| 55) 4-Nitrophenol             | 15.134 | 109  | 43765    | 21.523 | ng/ul  | 96       |
| 56) Dibenzofuran              | 15.352 | 168  | 349269   | 20.384 | ng/ul  | 96       |
| 57) 2,4-Dinitrotoluene        | 15.299 | 165  | 79845    | 21.187 | ng/ul# | 97       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.569 | 232  | 97002    | 20.755 | ng/ul# | 98       |
| 59) Diethylphthalate          | 15.739 | 149  | 251548   | 20.450 | ng/ul  | 99       |
| 61) Fluorene                  | 15.992 | 166  | 274815   | 19.525 | ng/ul  | 97       |
| 62) 4-Chlorophenyl-phenyle... | 15.974 | 204  | 173761   | 19.003 | ng/ul  | 96       |
| 63) 4-Nitroaniline            | 16.004 | 138  | 35536    | 18.244 | ng/ul# | 89       |
| 66) 4,6-Dinitro-2-methylph... | 16.057 | 198  | 57347    | 20.775 | ng/ul# | 89       |
| 67) N-Nitrosodiphenylamine    | 16.186 | 169  | 241645   | 21.294 | ng/ul  | 99       |
| 68) 4-Bromophenyl-phenylether | 16.867 | 248  | 116270   | 20.476 | ng/ul  | 96       |
| 69) Hexachlorobenzene         | 16.997 | 284  | 114316   | 20.801 | ng/ul  | 98       |
| 70) Atrazine                  | 17.120 | 200  | 113576   | 20.991 | ng/ul  | 94       |
| 71) Pentachlorophenol         | 17.332 | 266  | 73992    | 21.177 | ng/ul  | 86       |
| 72) Phenanthrene              | 17.731 | 178  | 467235   | 20.549 | ng/ul  | 100      |
| 74) Anthracene                | 17.825 | 178  | 474174   | 20.371 | ng/ul  | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 13.765 | 216  | 150229   | 22.113 | ng/uL  | 90       |
| 76) Pentachlorobenzene        | 15.269 | 250  | 148667   | 22.168 | ng/uL  | 92       |
| 77) Carbazole                 | 18.084 | 167  | 393975   | 20.703 | ng/ul  | 98       |
| 78) Di-n-butylphthalate       | 18.618 | 149  | 407339   | 23.428 | ng/ul  | 99       |
| 80) Fluoranthene              | 19.723 | 202  | 609913   | 21.661 | ng/ul  | 99       |
| 82) Pyrene                    | 20.081 | 202  | 596177   | 20.988 | ng/ul# | 97       |
| 83) Butylbenzylphthalate      | 20.945 | 149  | 174128   | 28.806 | ng/ul  | 92       |
| 84) 3,3'-Dichlorobenzidine    | 21.867 | 252  | 223646   | 22.957 | ng/ul  | 98       |
| 85) Benzo(a)anthracene        | 21.967 | 228  | 620318   | 20.961 | ng/ul  | 98       |
| 86) Bis(2-ethylhexyl)phtha... | 21.838 | 149  | 251828   | 27.195 | ng/ul# | 98       |
| 87) Chrysene                  | 22.044 | 228  | 578862   | 21.076 | ng/ul  | 98       |
| 89) Di-n-octyl phthalate      | 23.137 | 149  | 427043   | 24.217 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 24.347 | 252  | 641249   | 20.385 | ng/ul  | 98       |
| 91) Benzo(k)fluoranthene      | 24.423 | 252  | 637938   | 20.782 | ng/ul  | 99       |
| 93) Benzo(a)pyrene            | 25.299 | 252  | 565290   | 20.623 | ng/ul# | 99       |
| 94) Indeno(1,2,3-cd)pyrene    | 29.459 | 276  | 737269   | 20.421 | ng/ul# | 98       |
| 95) Dibenzo(a,h)anthracene    | 29.523 | 278  | 612180   | 20.273 | ng/ul  | 99       |
| 96) Benzo(g,h,i)perylene      | 30.710 | 276  | 577463   | 19.903 | ng/ul  | 99       |

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

