

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG093021\  
 Data File : BG050321.D  
 Acq On : 30 Sep 2021 12:52  
 Operator : CG/JU  
 Sample : SST001041  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SST0010441

Quant Time: Sep 30 14:15:25 2021  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG093021.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Sep 30 14:12:47 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.280  | 152  | 45214    | 20.000 | ng/ul  | 0.00     |
| 20) Naphthalene-d8            | 11.106 | 136  | 189310   | 20.000 | ng/ul  | 0.00     |
| 38) Acenaphthene-d10          | 14.895 | 164  | 132835   | 20.000 | ng/ul  | 0.00     |
| 64) Phenanthrene-d10          | 17.639 | 188  | 310405   | 20.000 | ng/ul  | 0.00     |
| 79) Chrysene-d12              | 21.946 | 240  | 305851   | 20.000 | ng/ul  | 0.00     |
| 88) Perylene-d12              | 25.377 | 264  | 303685   | 20.000 | ng/ul  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.644  | 96   | 4658     | 4.982  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 4.067  | 84   | 34973    | 12.411 | ng/ul  | 0.00     |
| 7) Phenol-d5                  | 7.404  | 99   | 36953    | 10.294 | ng/ul  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.592  | 67   | 25023    | 12.009 | ng/ul  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.798  | 132  | 27018    | 10.355 | ng/ul  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.967  | 113  | 28662    | 10.135 | ng/ul  | 0.00     |
| 21) Nitrobenzene-d5           | 9.443  | 128  | 12433    | 10.631 | ng/ul  | 0.00     |
| 24) 2-Nitrophenol-d4          | 10.172 | 143  | 12690    | 9.824  | ng/ul  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.706 | 165  | 26813    | 8.898  | ng/ul  | 0.00     |
| 31) 4-Chloroaniline-d4        | 11.229 | 131  | 39030    | 9.860  | ng/ul  | 0.00     |
| 46) Dimethylphthalate-d6      | 14.290 | 166  | 86852    | 9.620  | ng/ul  | 0.00     |
| 49) Acenaphthylene-d8         | 14.590 | 160  | 112908   | 9.949  | ng/ul  | 0.00     |
| 54) 4-Nitrophenol-d4          | 15.054 | 143  | 15949    | 10.471 | ng/ul  | 0.00     |
| 60) Fluorene-d10              | 15.882 | 176  | 79446    | 9.611  | ng/ul  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.982 | 200  | 12931    | 9.833  | ng/ul  | 0.00     |
| 73) Anthracene-d10            | 17.739 | 188  | 131162   | 9.921  | ng/ul  | 0.00     |
| 81) Pyrene-d10                | 20.007 | 212  | 159243   | 9.616  | ng/ul  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 25.136 | 264  | 145579   | 9.402  | ng/ul  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.679  | 88   | 5409     | 4.586  | ng/uL  | 98       |
| 5) Pyridine                   | 4.090  | 79   | 35906    | 12.287 | ng/ul  | 98       |
| 6) Benzaldehyde               | 7.410  | 77   | 30465    | 13.370 | ng/ul  | 98       |
| 8) Phenol                     | 7.434  | 94   | 40677    | 11.185 | ng/ul  | 100      |
| 10) Bis(2-Chloroethyl)ether   | 7.686  | 93   | 30353    | 11.231 | ng/ul  | 96       |
| 12) 2-Chlorophenol            | 7.833  | 128  | 27537    | 10.014 | ng/ul  | 100      |
| 13) 2-Methylphenol            | 8.703  | 108  | 27842    | 9.813  | ng/ul  | 97       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.791  | 45   | 46394    | 12.975 | ng/ul  | 96       |
| 16) Acetophenone              | 9.102  | 105  | 49030    | 11.349 | ng/ul  | 98       |
| 17) N-Nitroso-di-n-propyla... | 9.079  | 70   | 28424    | 11.574 | ng/ul# | 95       |
| 18) 4-Methylphenol            | 9.026  | 108  | 30576    | 10.580 | ng/ul  | 97       |
| 19) Hexachloroethane          | 9.372  | 117  | 11725    | 9.937  | ng/ul  | 96       |
| 22) Nitrobenzene              | 9.490  | 77   | 38743    | 11.547 | ng/ul  | 93       |
| 23) Isophorone                | 10.013 | 82   | 74621    | 10.544 | ng/ul  | 99       |
| 25) 2-Nitrophenol             | 10.207 | 139  | 13668    | 10.131 | ng/ul  | 97       |
| 26) 2,4-Dimethylphenol        | 10.248 | 107  | 35063    | 9.719  | ng/ul  | 95       |
| 27) Bis(2-Chloroethoxy)met... | 10.489 | 93   | 40597    | 10.508 | ng/ul  | 97       |
| 29) 2,4-Dichlorophenol        | 10.736 | 162  | 26709    | 9.199  | ng/ul  | 93       |
| 30) Naphthalene               | 11.153 | 128  | 97745    | 10.066 | ng/ul  | 97       |
| 32) 4-Chloroaniline           | 11.253 | 127  | 39225    | 9.922  | ng/ul  | 93       |
| 33) Hexachlorobutadiene       | 11.429 | 225  | 18966    | 7.874  | ng/ul  | 88       |
| 34) Caprolactam               | 12.016 | 113  | 8703     | 9.506  | ng/ul  | 97       |
| 35) 4-Chloro-3-methylphenol   | 12.345 | 107  | 30550    | 9.702  | ng/ul  | 96       |

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|-------------------------------|--------|------|----------|--------|--------|----------|
| 36) 2-Methylnaphthalene       | 12.739 | 142  | 65214    | 9.698  | ng/ul  | 95       |
| 37) 1-Methylnaphthalene       | 12.956 | 142  | 66199    | 9.750  | ng/ul  | 95       |
| 39) 1,2,4,5-Tetrachloroben... | 13.097 | 216  | 38422    | 9.187  | ng/ul  | 94       |
| 40) Hexachlorocyclopentadiene | 13.074 | 237  | 24235    | 8.401  | ng/ul# | 85       |
| 41) 2,4,6-Trichlorophenol     | 13.327 | 196  | 22931    | 9.298  | ng/ul  | 95       |
| 42) 2,4,5-Trichlorophenol     | 13.397 | 196  | 24940    | 9.400  | ng/ul  | 94       |
| 43) 1,1'-Biphenyl             | 13.732 | 154  | 90174    | 10.007 | ng/ul  | 99       |
| 44) 2-Chloronaphthalene       | 13.779 | 162  | 70221    | 9.849  | ng/ul  | 97       |
| 45) 2-Nitroaniline            | 13.973 | 65   | 20925    | 12.326 | ng/ul  | 93       |
| 47) Dimethylphthalate         | 14.337 | 163  | 91151    | 10.023 | ng/ul  | 100      |
| 48) 2,6-Dinitrotoluene        | 14.461 | 165  | 15903    | 11.047 | ng/ul# | 89       |
| 50) Acenaphthylene            | 14.619 | 152  | 116751   | 10.183 | ng/ul  | 100      |
| 51) 3-Nitroaniline            | 14.790 | 138  | 17671    | 10.979 | ng/ul  | 98       |
| 52) Acenaphthene              | 14.960 | 153  | 75918    | 10.114 | ng/ul  | 98       |
| 53) 2,4-Dinitrophenol         | 14.989 | 184  | 7676     | 8.421  | ng/ul  | 92       |
| 55) 4-Nitrophenol             | 15.066 | 109  | 14653    | 9.361  | ng/ul  | 86       |
| 56) Dibenzofuran              | 15.289 | 168  | 111153   | 9.896  | ng/ul  | 95       |
| 57) 2,4-Dinitrotoluene        | 15.236 | 165  | 22337    | 10.949 | ng/ul# | 95       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.506 | 232  | 21413    | 8.971  | ng/ul# | 98       |
| 59) Diethylphthalate          | 15.689 | 149  | 92277    | 9.870  | ng/ul  | 99       |
| 61) Fluorene                  | 15.935 | 166  | 87432    | 9.935  | ng/ul  | 95       |
| 62) 4-Chlorophenyl-phenyle... | 15.924 | 204  | 47508    | 9.590  | ng/ul  | 97       |
| 63) 4-Nitroaniline            | 15.947 | 138  | 18439    | 11.128 | ng/ul  | 95       |
| 66) 4,6-Dinitro-2-methylph... | 16.000 | 198  | 12953    | 9.805  | ng/ul# | 86       |
| 67) N-Nitrosodiphenylamine    | 16.135 | 169  | 77981    | 9.935  | ng/ul  | 97       |
| 68) 4-Bromophenyl-phenylether | 16.817 | 248  | 28525    | 8.863  | ng/ul  | 96       |
| 69) Hexachlorobenzene         | 16.934 | 284  | 30124    | 8.447  | ng/ul  | 96       |
| 70) Atrazine                  | 17.075 | 200  | 31874    | 9.204  | ng/ul  | 98       |
| 71) Pentachlorophenol         | 17.275 | 266  | 16398    | 7.207  | ng/ul  | 97       |
| 72) Phenanthrene              | 17.680 | 178  | 158251   | 10.273 | ng/ul  | 96       |
| 74) Anthracene                | 17.768 | 178  | 157542   | 10.268 | ng/ul  | 98       |
| 75) 1,2,3,4-Tetrachloroben... | 13.697 | 216  | 40106    | 9.089  | ng/uL  | 99       |
| 76) Pentachlorobenzene        | 15.207 | 250  | 36280    | 8.527  | ng/uL  | 99       |
| 77) Carbazole                 | 18.033 | 167  | 143633   | 10.581 | ng/ul  | 99       |
| 78) Di-n-butylphthalate       | 18.579 | 149  | 162766   | 10.400 | ng/ul  | 98       |
| 80) Fluoranthene              | 19.678 | 202  | 202648   | 9.653  | ng/ul  | 99       |
| 82) Pyrene                    | 20.036 | 202  | 205229   | 9.941  | ng/ul  | 99       |
| 83) Butylbenzylphthalate      | 20.918 | 149  | 70258    | 10.102 | ng/ul  | 97       |
| 84) 3,3'-Dichlorobenzidine    | 21.828 | 252  | 65498    | 9.999  | ng/ul  | 97       |
| 85) Benzo(a)anthracene        | 21.922 | 228  | 182197   | 9.892  | ng/ul  | 99       |
| 86) Bis(2-ethylhexyl)phtha... | 21.811 | 149  | 99871    | 10.061 | ng/ul  | 95       |
| 87) Chrysene                  | 21.993 | 228  | 176160   | 9.865  | ng/ul  | 97       |
| 89) Di-n-octyl phthalate      | 23.103 | 149  | 167023   | 11.220 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 24.279 | 252  | 180572   | 10.158 | ng/ul  | 98       |
| 91) Benzo(k)fluoranthene      | 24.349 | 252  | 167717   | 10.048 | ng/ul  | 99       |
| 93) Benzo(a)pyrene            | 25.213 | 252  | 171382   | 10.150 | ng/ul  | 98       |
| 94) Indeno(1,2,3-cd)pyrene    | 29.308 | 276  | 161676   | 8.194  | ng/ul  | 99       |
| 95) Dibenzo(a,h)anthracene    | 29.378 | 278  | 81775    | 4.809  | ng/ul  | 96       |
| 96) Benzo(g,h,i)perylene      | 30.530 | 276  | 85277    | 5.052  | ng/ul  | 99       |

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

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BNA\_G

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SSTD010441

