

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG021522\  
 Data File : BG052406.D  
 Acq On : 15 Feb 2022 23:57  
 Operator : CG/JU  
 Sample : SSTDCCC020EC  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSTD020522

Quant Time: Feb 16 00:29:19 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG013122.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Jan 31 18:07:10 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.222  | 152  | 26615    | 20.000 | ng/u1  | -0.01    |
| 20) Naphthalene-d8            | 11.060 | 136  | 113472   | 20.000 | ng/u1  | -0.02    |
| 38) Acenaphthene-d10          | 14.866 | 164  | 81325    | 20.000 | ng/u1  | -0.01    |
| 64) Phenanthrene-d10          | 17.615 | 188  | 208254   | 20.000 | ng/u1  | #-0.01   |
| 79) Chrysene-d12              | 21.927 | 240  | 222926   | 20.000 | ng/u1  | #-0.02   |
| 88) Perylene-d12              | 25.393 | 264  | 225728   | 20.000 | ng/u1  | -0.03    |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.546  | 96   | 5901     | 8.945  | ng/uL  | -0.02    |
| 4) Pyridine-d5                | 3.969  | 84   | 43559    | 21.228 | ng/u1  | -0.02    |
| 7) Phenol-d5                  | 7.365  | 99   | 49831    | 20.584 | ng/u1  | -0.01    |
| 9) Bis-(2-Chloroethyl)eth...  | 7.529  | 67   | 30135    | 20.489 | ng/u1  | -0.01    |
| 11) 2-Chlorophenol-d4         | 7.746  | 132  | 35946    | 21.308 | ng/u1  | -0.02    |
| 15) 4-Methylphenol-d8         | 8.927  | 113  | 39890    | 21.713 | ng/u1  | -0.01    |
| 21) Nitrobenzene-d5           | 9.397  | 128  | 19600    | 21.214 | ng/u1  | -0.01    |
| 24) 2-Nitrophenol-d4          | 10.126 | 143  | 22695    | 22.479 | ng/u1  | -0.02    |
| 28) 2,4-Dichlorophenol-d3     | 10.672 | 165  | 41364    | 21.016 | ng/u1  | -0.02    |
| 31) 4-Chloroaniline-d4        | 11.183 | 131  | 60096    | 24.071 | ng/u1  | -0.02    |
| 46) Dimethylphthalate-d6      | 14.255 | 166  | 140629   | 21.999 | ng/u1  | -0.01    |
| 49) Acenaphthylene-d8         | 14.561 | 160  | 173655   | 21.795 | ng/u1  | -0.02    |
| 54) 4-Nitrophenol-d4          | 15.054 | 143  | 21614    | 22.325 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.853 | 176  | 124547   | 22.239 | ng/u1  | -0.02    |
| 65) 4,6-Dinitro-2-methylph... | 15.971 | 200  | 26578    | 20.672 | ng/u1  | -0.01    |
| 73) Anthracene-d10            | 17.715 | 188  | 208468   | 21.233 | ng/u1  | -0.01    |
| 81) Pyrene-d10                | 19.995 | 212  | 271689   | 20.335 | ng/u1  | -0.01    |
| 92) Benzo(a)pyrene-d12        | 25.152 | 264  | 253537   | 21.142 | ng/u1  | -0.03    |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.581  | 88   | 5507     | 7.489  | ng/uL  | 97       |
| 5) Pyridine                   | 3.993  | 79   | 42937    | 19.981 | ng/u1  | 93       |
| 6) Benzaldehyde               | 7.341  | 77   | 23331    | 16.999 | ng/u1  | 96       |
| 8) Phenol                     | 7.394  | 94   | 49743    | 20.503 | ng/u1  | 94       |
| 10) Bis(2-Chloroethyl)ether   | 7.623  | 93   | 37789    | 20.611 | ng/u1  | 94       |
| 12) 2-Chlorophenol            | 7.782  | 128  | 36740    | 21.097 | ng/u1  | 93       |
| 13) 2-Methylphenol            | 8.663  | 108  | 38367    | 21.013 | ng/u1  | 94       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.751  | 45   | 53069    | 20.266 | ng/u1  | 96       |
| 16) Acetophenone              | 9.045  | 105  | 62385    | 21.897 | ng/u1  | 99       |
| 17) N-Nitroso-di-n-propyla... | 9.027  | 70   | 36400    | 21.300 | ng/u1  | 97       |
| 18) 4-Methylphenol            | 8.992  | 108  | 41233    | 21.435 | ng/u1  | 93       |
| 19) Hexachloroethane          | 9.321  | 117  | 14624    | 19.500 | ng/u1# | 80       |
| 22) Nitrobenzene              | 9.432  | 77   | 50537    | 19.611 | ng/u1# | 94       |
| 23) Isophorone                | 9.961  | 82   | 97896    | 20.530 | ng/u1  | 97       |
| 25) 2-Nitrophenol             | 10.155 | 139  | 22743    | 20.605 | ng/u1  | 98       |
| 26) 2,4-Dimethylphenol        | 10.208 | 107  | 47839    | 21.020 | ng/u1  | 98       |
| 27) Bis(2-Chloroethoxy)met... | 10.437 | 93   | 52716    | 20.613 | ng/u1  | 97       |
| 29) 2,4-Dichlorophenol        | 10.701 | 162  | 38930    | 20.461 | ng/u1  | 97       |
| 30) Naphthalene               | 11.107 | 128  | 127366   | 20.528 | ng/u1  | 98       |
| 32) 4-Chloroaniline           | 11.212 | 127  | 58688    | 22.800 | ng/u1  | 97       |
| 33) Hexachlorobutadiene       | 11.394 | 225  | 29747    | 19.167 | ng/u1  | 97       |
| 34) Caprolactam               | 11.947 | 113  | 14478    | 23.462 | ng/u1  | 95       |
| 35) 4-Chloro-3-methylphenol   | 12.328 | 107  | 45681    | 22.260 | ng/u1  | 95       |
| 36) 2-Methylnaphthalene       | 12.704 | 142  | 91618    | 21.043 | ng/u1  | 99       |

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 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG013122.M  
 Quant Title : SVOA CALIBRATION  
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 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 37) 1-Methylnaphthalene       | 12.922 | 142  | 95787    | 21.385 | ng/ul  | 96       |
| 39) 1,2,4,5-Tetrachloroben... | 13.069 | 216  | 58471    | 19.974 | ng/ul  | 98       |
| 40) Hexachlorocyclopentadiene | 13.051 | 237  | 28589    | 17.108 | ng/ul  | 99       |
| 41) 2,4,6-Trichlorophenol     | 13.304 | 196  | 35940    | 20.563 | ng/ul  | 99       |
| 42) 2,4,5-Trichlorophenol     | 13.386 | 196  | 38587    | 20.497 | ng/ul  | 92       |
| 43) 1,1'-Biphenyl             | 13.697 | 154  | 131789   | 20.671 | ng/ul# | 97       |
| 44) 2-Chloronaphthalene       | 13.744 | 162  | 99133    | 20.322 | ng/ul  | 99       |
| 45) 2-Nitroaniline            | 13.944 | 65   | 33614    | 20.465 | ng/ul  | 90       |
| 47) Dimethylphthalate         | 14.302 | 163  | 131812   | 21.274 | ng/ul  | 100      |
| 48) 2,6-Dinitrotoluene        | 14.426 | 165  | 29241    | 21.876 | ng/ul  | 89       |
| 50) Acenaphthylene            | 14.590 | 152  | 168589   | 21.110 | ng/ul  | 97       |
| 51) 3-Nitroaniline            | 14.760 | 138  | 21812    | 19.069 | ng/ul# | 99       |
| 52) Acenaphthene              | 14.931 | 153  | 110007   | 21.012 | ng/ul  | 97       |
| 53) 2,4-Dinitrophenol         | 14.972 | 184  | 12922    | 18.617 | ng/ul# | 83       |
| 55) 4-Nitrophenol             | 15.066 | 109  | 21096    | 20.789 | ng/ul  | 90       |
| 56) Dibenzofuran              | 15.260 | 168  | 159879   | 21.091 | ng/ul  | 98       |
| 57) 2,4-Dinitrotoluene        | 15.219 | 165  | 42736    | 22.303 | ng/ul# | 86       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.489 | 232  | 34535    | 20.957 | ng/ul# | 87       |
| 59) Diethylphthalate          | 15.659 | 149  | 137666   | 21.912 | ng/ul  | 98       |
| 61) Fluorene                  | 15.912 | 166  | 134842   | 21.436 | ng/ul  | 99       |
| 62) 4-Chlorophenyl-phenyle... | 15.894 | 204  | 73689    | 21.300 | ng/ul  | 91       |
| 63) 4-Nitroaniline            | 15.918 | 138  | 16912    | 15.237 | ng/ul  | 92       |
| 66) 4,6-Dinitro-2-methylph... | 15.982 | 198  | 25634    | 20.934 | ng/ul# | 89       |
| 67) N-Nitrosodiphenylamine    | 16.106 | 169  | 120235   | 21.059 | ng/ul  | 93       |
| 68) 4-Bromophenyl-phenylether | 16.793 | 248  | 50612    | 20.132 | ng/ul# | 87       |
| 69) Hexachlorobenzene         | 16.928 | 284  | 57266    | 20.269 | ng/ul# | 83       |
| 70) Atrazine                  | 17.046 | 200  | 54709    | 21.720 | ng/ul  | 98       |
| 71) Pentachlorophenol         | 17.269 | 266  | 24600    | 18.159 | ng/ul  | 97       |
| 72) Phenanthrene              | 17.657 | 178  | 231401   | 21.092 | ng/ul  | 98       |
| 74) Anthracene                | 17.751 | 178  | 233522   | 21.566 | ng/ul  | 98       |
| 75) 1,2,3,4-Tetrachloroben... | 13.674 | 216  | 63754    | 18.337 | ng/ul  | 99       |
| 76) Pentachlorobenzene        | 15.189 | 250  | 64403    | 20.079 | ng/ul  | 98       |
| 77) Carbazole                 | 18.015 | 167  | 215024   | 22.783 | ng/ul  | 98       |
| 78) Di-n-butylphthalate       | 18.555 | 149  | 249713   | 22.060 | ng/ul  | 99       |
| 80) Fluoranthene              | 19.660 | 202  | 314446   | 19.986 | ng/ul# | 92       |
| 82) Pyrene                    | 20.024 | 202  | 306693   | 19.912 | ng/ul# | 90       |
| 83) Butylbenzylphthalate      | 20.887 | 149  | 110891   | 20.581 | ng/ul# | 93       |
| 84) 3,3'-Dichlorobenzidine    | 21.810 | 252  | 94302    | 19.755 | ng/ul# | 96       |
| 85) Benzo(a)anthracene        | 21.910 | 228  | 312029   | 20.811 | ng/ul  | 97       |
| 86) Bis(2-ethylhexyl)phtha... | 21.786 | 149  | 155977   | 20.195 | ng/ul# | 96       |
| 87) Chrysene                  | 21.980 | 228  | 294155   | 20.764 | ng/ul  | 98       |
| 89) Di-n-octyl phthalate      | 23.079 | 149  | 264404   | 20.646 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 24.283 | 252  | 321127   | 20.516 | ng/ul# | 96       |
| 91) Benzo(k)fluoranthene      | 24.353 | 252  | 299586   | 20.919 | ng/ul# | 96       |
| 93) Benzo(a)pyrene            | 25.229 | 252  | 302687   | 20.734 | ng/ul# | 95       |
| 94) Indeno(1,2,3-cd)pyrene    | 29.382 | 276  | 347647   | 21.378 | ng/ul# | 90       |
| 95) Dibenzo(a,h)anthracene    | 29.441 | 278  | 294895   | 21.871 | ng/ul# | 94       |
| 96) Benzo(g,h,i)perylene      | 30.621 | 276  | 287983   | 20.804 | ng/ul# | 90       |

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

