

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG033022\  
 Data File : BG052998.D  
 Acq On : 1 Apr 2022 11:50  
 Operator : CG/JU  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 58 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSTD020559

Manual Integrations  
 APPROVED

Reviewed By :Jagrut Upadhyay 04/04/2022  
 Supervised By :Yogesh Patel 04/06/2022

Quant Time: Apr 02 00:37:28 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG031822.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Mar 31 00:50:49 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.136  | 152  | 32355    | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.944 | 136  | 133231   | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.757 | 164  | 104506   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.494 | 188  | 256680   | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.783 | 240  | 272928   | 20.000 | ng/u1  | # 0.00   |
| 88) Perylene-d12              | 25.090 | 264  | 285100   | 20.000 | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.548  | 96   | 6407     | 6.995  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.965  | 84   | 41343    | 18.079 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 7.279  | 99   | 55688    | 19.217 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.449  | 67   | 35973    | 20.325 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.660  | 132  | 39627    | 20.139 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.829  | 113  | 42110    | 20.060 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 9.294  | 128  | 19957    | 20.809 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 10.022 | 143  | 22922    | 22.660 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.557 | 165  | 46279    | 21.030 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 11.073 | 131  | 58868    | 20.240 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 14.152 | 166  | 157883   | 19.665 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.445 | 160  | 185895   | 19.055 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.927 | 143  | 29096    | 21.555 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.744 | 176  | 139575   | 19.799 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.849 | 200  | 28250    | 21.627 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.594 | 188  | 235596m  | 19.711 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.879 | 212  | 296129   | 19.395 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.861 | 264  | 293923   | 19.952 | ng/u1  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.590  | 88   | 7578     | 6.752  | ng/uL  | 88       |
| 5) Pyridine                   | 3.983  | 79   | 46668m   | 18.887 | ng/u1  |          |
| 6) Benzaldehyde               | 7.267  | 77   | 43313m   | 22.483 | ng/u1  |          |
| 8) Phenol                     | 7.308  | 94   | 55576    | 19.899 | ng/u1  | 91       |
| 10) Bis(2-Chloroethyl)ether   | 7.543  | 93   | 40846    | 19.386 | ng/u1  | 98       |
| 12) 2-Chlorophenol            | 7.696  | 128  | 39696    | 19.745 | ng/u1# | 89       |
| 13) 2-Methylphenol            | 8.565  | 108  | 43489    | 20.035 | ng/u1  | 96       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.659  | 45   | 70157    | 20.485 | ng/u1# | 96       |
| 16) Acetophenone              | 8.953  | 105  | 67399    | 20.581 | ng/u1  | 96       |
| 17) N-Nitroso-di-n-propyla... | 8.935  | 70   | 38870    | 20.360 | ng/u1  | 99       |
| 18) 4-Methylphenol            | 8.894  | 108  | 46001    | 20.341 | ng/u1  | 85       |
| 19) Hexachloroethane          | 9.223  | 117  | 17939    | 20.111 | ng/u1  | 90       |
| 22) Nitrobenzene              | 9.335  | 77   | 59309    | 21.164 | ng/u1# | 91       |
| 23) Isophorone                | 9.857  | 82   | 110524   | 20.634 | ng/u1  | 98       |
| 25) 2-Nitrophenol             | 10.051 | 139  | 22518    | 21.467 | ng/u1# | 82       |
| 26) 2,4-Dimethylphenol        | 10.104 | 107  | 53828    | 20.709 | ng/u1  | 94       |
| 27) Bis(2-Chloroethoxy)met... | 10.339 | 93   | 58509    | 19.643 | ng/u1  | 99       |
| 29) 2,4-Dichlorophenol        | 10.586 | 162  | 44543    | 20.818 | ng/u1  | 100      |
| 30) Naphthalene               | 10.997 | 128  | 133452   | 19.356 | ng/u1  | 97       |
| 32) 4-Chloroaniline           | 11.091 | 127  | 57453    | 20.103 | ng/u1  | 94       |
| 33) Hexachlorobutadiene       | 11.291 | 225  | 35834    | 20.507 | ng/u1  | 94       |
| 34) Caprolactam               | 11.843 | 113  | 15410m   | 23.914 | ng/u1  |          |
| 35) 4-Chloro-3-methylphenol   | 12.207 | 107  | 50994    | 21.971 | ng/u1  | 93       |
| 36) 2-Methylnaphthalene       | 12.595 | 142  | 99543    | 20.458 | ng/u1  | 96       |

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| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 37) 1-Methylnaphthalene       | 12.812 | 142  | 99280    | 20.154 | ng/ul# | 96       |
| 39) 1,2,4,5-Tetrachloroben... | 12.959 | 216  | 66214    | 19.169 | ng/ul  | 97       |
| 40) Hexachlorocyclopentadiene | 12.942 | 237  | 44541    | 18.626 | ng/ul  | 99       |
| 41) 2,4,6-Trichlorophenol     | 13.188 | 196  | 41115    | 19.479 | ng/ul  | 91       |
| 42) 2,4,5-Trichlorophenol     | 13.259 | 196  | 44963    | 19.725 | ng/ul  | 93       |
| 43) 1,1'-Biphenyl             | 13.588 | 154  | 139555   | 18.687 | ng/ul  | 98       |
| 44) 2-Chloronaphthalene       | 13.635 | 162  | 109482   | 18.308 | ng/ul  | 98       |
| 45) 2-Nitroaniline            | 13.823 | 65   | 40428    | 23.064 | ng/ul  | 93       |
| 47) Dimethylphthalate         | 14.199 | 163  | 147100   | 19.199 | ng/ul  | 98       |
| 48) 2,6-Dinitrotoluene        | 14.316 | 165  | 30439    | 21.931 | ng/ul# | 93       |
| 50) Acenaphthylene            | 14.481 | 152  | 182091   | 19.326 | ng/ul  | 97       |
| 51) 3-Nitroaniline            | 14.645 | 138  | 32286    | 23.046 | ng/ul  | 99       |
| 52) Acenaphthene              | 14.816 | 153  | 119560   | 19.424 | ng/ul  | 99       |
| 53) 2,4-Dinitrophenol         | 14.851 | 184  | 17449    | 20.237 | ng/ul# | 65       |
| 55) 4-Nitrophenol             | 14.939 | 109  | 34078    | 23.988 | ng/ul  | 87       |
| 56) Dibenzofuran              | 15.150 | 168  | 179699   | 19.692 | ng/ul  | 99       |
| 57) 2,4-Dinitrotoluene        | 15.097 | 165  | 44018    | 22.353 | ng/ul# | 74       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.374 | 232  | 44758    | 21.784 | ng/ul# | 99       |
| 59) Diethylphthalate          | 15.556 | 149  | 158483   | 20.424 | ng/ul  | 99       |
| 61) Fluorene                  | 15.797 | 166  | 147566   | 19.509 | ng/ul  | 99       |
| 62) 4-Chlorophenyl-phenyle... | 15.785 | 204  | 81867    | 20.340 | ng/ul  | 98       |
| 63) 4-Nitroaniline            | 15.802 | 138  | 33601m   | 24.390 | ng/ul  |          |
| 66) 4,6-Dinitro-2-methylph... | 15.867 | 198  | 28182    | 22.051 | ng/ul  | 93       |
| 67) N-Nitrosodiphenylamine    | 15.996 | 169  | 130778   | 18.844 | ng/ul  | 98       |
| 68) 4-Bromophenyl-phenylether | 16.684 | 248  | 58087    | 22.855 | ng/ul  | 92       |
| 69) Hexachlorobenzene         | 16.807 | 284  | 66135    | 20.145 | ng/ul# | 93       |
| 70) Atrazine                  | 16.942 | 200  | 59116    | 20.785 | ng/ul  | 96       |
| 71) Pentachlorophenol         | 17.148 | 266  | 40125m   | 20.099 | ng/ul  |          |
| 72) Phenanthrene              | 17.541 | 178  | 263123   | 19.532 | ng/ul  | 99       |
| 74) Anthracene                | 17.629 | 178  | 266662   | 19.799 | ng/ul  | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 13.558 | 216  | 70989    | 18.569 | ng/ul  | 99       |
| 76) Pentachlorobenzene        | 15.074 | 250  | 71845    | 19.588 | ng/ul  | 98       |
| 77) Carbazole                 | 17.894 | 167  | 240956   | 20.244 | ng/ul  | 99       |
| 78) Di-n-butylphthalate       | 18.446 | 149  | 280450   | 19.814 | ng/ul# | 98       |
| 80) Fluoranthene              | 19.544 | 202  | 352456   | 19.589 | ng/ul  | 99       |
| 82) Pyrene                    | 19.909 | 202  | 343750   | 19.222 | ng/ul# | 95       |
| 83) Butylbenzylphthalate      | 20.784 | 149  | 121839   | 19.595 | ng/ul  | 92       |
| 84) 3,3'-Dichlorobenzidine    | 21.671 | 252  | 127553   | 20.852 | ng/ul  | 96       |
| 85) Benzo(a)anthracene        | 21.765 | 228  | 342089   | 19.420 | ng/ul  | 100      |
| 86) Bis(2-ethylhexyl)phtha... | 21.659 | 149  | 173631   | 20.161 | ng/ul  | 96       |
| 87) Chrysene                  | 21.830 | 228  | 322613   | 19.201 | ng/ul  | 98       |
| 89) Di-n-octyl phthalate      | 22.899 | 149  | 293608   | 19.772 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 24.038 | 252  | 357468   | 19.418 | ng/ul  | 96       |
| 91) Benzo(k)fluoranthene      | 24.109 | 252  | 340316   | 20.030 | ng/ul# | 96       |
| 93) Benzo(a)pyrene            | 24.931 | 252  | 336436   | 19.357 | ng/ul  | 97       |
| 94) Indeno(1,2,3-cd)pyrene    | 28.861 | 276  | 394207   | 20.055 | ng/ul  | 98       |
| 95) Dibenzo(a,h)anthracene    | 28.932 | 278  | 325872   | 19.505 | ng/ul  | 100      |
| 96) Benzo(g,h,i)perylene      | 30.042 | 276  | 321375   | 19.341 | ng/ul  | 98       |

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

