

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG032822\  
 Data File : BG052943.D  
 Acq On : 30 Mar 2022 2:04  
 Operator : CG/JU  
 Sample : SSTDCCC020EC  
 Misc :  
 ALS Vial : 63 Sample Multiplier: 1

## Instrument :

BNA\_G

## ClientSampleId :

SSTD020553

## Manual Integrations

## APPROVED

Reviewed By :Jagrut Upadhyay 03/30/2022

Supervised By :Yogesh Patel 04/02/2022

Quant Time: Mar 30 04:13:45 2022

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG031822.M

Quant Title : SVOA CALIBRATION

QLast Update : Wed Mar 23 13:16:32 2022

Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.135  | 152  | 31717    | 20.000 | ng/u1  | -0.01    |
| 20) Naphthalene-d8            | 10.943 | 136  | 142037   | 20.000 | ng/u1  | -0.02    |
| 38) Acenaphthene-d10          | 14.755 | 164  | 113014   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.499 | 188  | 277416   | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.781 | 240  | 289788   | 20.000 | ng/u1  | #-0.01   |
| 88) Perylene-d12              | 25.088 | 264  | 295769   | 20.000 | ng/u1  | -0.02    |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.547  | 96   | 6661     | 7.418  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.964  | 84   | 42343    | 18.889 | ng/u1  | -0.01    |
| 7) Phenol-d5                  | 7.277  | 99   | 61283    | 21.573 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.448  | 67   | 38293    | 22.071 | ng/u1  | -0.01    |
| 11) 2-Chlorophenol-d4         | 7.665  | 132  | 40924    | 21.216 | ng/u1  | -0.01    |
| 15) 4-Methylphenol-d8         | 8.828  | 113  | 48370    | 23.506 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 9.286  | 128  | 21485    | 21.013 | ng/u1  | -0.01    |
| 24) 2-Nitrophenol-d4          | 10.021 | 143  | 25279    | 23.441 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.555 | 165  | 52068    | 22.194 | ng/u1  | -0.01    |
| 31) 4-Chloroaniline-d4        | 11.072 | 131  | 67588    | 21.797 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 14.150 | 166  | 180786   | 20.823 | ng/u1  | -0.01    |
| 49) Acenaphthylene-d8         | 14.450 | 160  | 215239   | 20.401 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.926 | 143  | 30057m   | 20.590 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.742 | 176  | 159431   | 20.913 | ng/u1  | -0.01    |
| 65) 4,6-Dinitro-2-methylph... | 15.848 | 200  | 30406    | 21.538 | ng/u1  | -0.01    |
| 73) Anthracene-d10            | 17.593 | 188  | 259530   | 20.090 | ng/u1  | -0.01    |
| 81) Pyrene-d10                | 19.878 | 212  | 319306   | 19.696 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.859 | 264  | 312706   | 20.462 | ng/u1  | -0.02    |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.582  | 88   | 6642     | 6.037  | ng/uL# | 90       |
| 5) Pyridine                   | 3.982  | 79   | 48171    | 19.888 | ng/u1  | 92       |
| 6) Benzaldehyde               | 7.266  | 77   | 45657m   | 24.176 | ng/u1  |          |
| 8) Phenol                     | 7.307  | 94   | 61757    | 22.557 | ng/u1  | 95       |
| 10) Bis(2-Chloroethyl)ether   | 7.542  | 93   | 44166    | 21.383 | ng/u1  | 100      |
| 12) 2-Chlorophenol            | 7.694  | 128  | 42001    | 21.312 | ng/u1  | 97       |
| 13) 2-Methylphenol            | 8.564  | 108  | 47184    | 22.174 | ng/u1  | 97       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.658  | 45   | 71939    | 21.428 | ng/u1  | 97       |
| 16) Acetophenone              | 8.951  | 105  | 76609    | 23.863 | ng/u1  | 95       |
| 17) N-Nitroso-di-n-propyla... | 8.934  | 70   | 44107    | 23.568 | ng/u1  | 97       |
| 18) 4-Methylphenol            | 8.893  | 108  | 51633    | 23.290 | ng/u1  | 88       |
| 19) Hexachloroethane          | 9.228  | 117  | 17426    | 19.929 | ng/u1  | 87       |
| 22) Nitrobenzene              | 9.333  | 77   | 65116    | 21.796 | ng/u1  | 93       |
| 23) Isophorone                | 9.856  | 82   | 123153   | 21.566 | ng/u1  | 96       |
| 25) 2-Nitrophenol             | 10.050 | 139  | 26032    | 23.278 | ng/u1  | 93       |
| 26) 2,4-Dimethylphenol        | 10.103 | 107  | 60601    | 21.870 | ng/u1  | 94       |
| 27) Bis(2-Chloroethoxy)met... | 10.338 | 93   | 66227    | 20.855 | ng/u1  | 99       |
| 29) 2,4-Dichlorophenol        | 10.585 | 162  | 49492    | 21.697 | ng/u1  | 94       |
| 30) Naphthalene               | 10.996 | 128  | 150257   | 20.442 | ng/u1  | 98       |
| 32) 4-Chloroaniline           | 11.090 | 127  | 66053    | 21.679 | ng/u1  | 95       |
| 33) Hexachlorobutadiene       | 11.289 | 225  | 39254    | 21.071 | ng/u1  | 98       |
| 34) Caprolactam               | 11.836 | 113  | 16824m   | 24.489 | ng/u1  |          |
| 35) 4-Chloro-3-methylphenol   | 12.206 | 107  | 58624    | 23.693 | ng/u1  | 91       |
| 36) 2-Methylnaphthalene       | 12.594 | 142  | 112123   | 21.615 | ng/u1  | 97       |

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|-------------------------------|--------|------|----------|--------|--------|----------|
| 37) 1-Methylnaphthalene       | 12.811 | 142  | 113440   | 21.601 | ng/ul  | 95       |
| 39) 1,2,4,5-Tetrachloroben... | 12.958 | 216  | 75405    | 20.186 | ng/ul  | 99       |
| 40) Hexachlorocyclopentadiene | 12.940 | 237  | 47073    | 18.203 | ng/ul  | 99       |
| 41) 2,4,6-Trichlorophenol     | 13.187 | 196  | 47699    | 20.897 | ng/ul  | 99       |
| 42) 2,4,5-Trichlorophenol     | 13.257 | 196  | 52621    | 21.347 | ng/ul  | 97       |
| 43) 1,1'-Biphenyl             | 13.586 | 154  | 160153   | 19.831 | ng/ul  | 98       |
| 44) 2-Chloronaphthalene       | 13.633 | 162  | 126984   | 19.637 | ng/ul  | 97       |
| 45) 2-Nitroaniline            | 13.827 | 65   | 45759    | 24.140 | ng/ul  | 93       |
| 47) Dimethylphthalate         | 14.197 | 163  | 170336   | 20.558 | ng/ul  | 99       |
| 48) 2,6-Dinitrotoluene        | 14.315 | 165  | 34939    | 23.279 | ng/ul# | 92       |
| 50) Acenaphthylene            | 14.479 | 152  | 209347   | 20.546 | ng/ul  | 99       |
| 51) 3-Nitroaniline            | 14.644 | 138  | 37419    | 24.699 | ng/ul# | 96       |
| 52) Acenaphthene              | 14.814 | 153  | 137645   | 20.678 | ng/ul  | 95       |
| 53) 2,4-Dinitrophenol         | 14.849 | 184  | 18590    | 19.937 | ng/ul# | 61       |
| 55) 4-Nitrophenol             | 14.937 | 109  | 33840    | 22.027 | ng/ul  | 95       |
| 56) Dibenzofuran              | 15.149 | 168  | 207555   | 21.032 | ng/ul  | 99       |
| 57) 2,4-Dinitrotoluene        | 15.102 | 165  | 51086    | 23.989 | ng/ul# | 88       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.372 | 232  | 47695    | 21.466 | ng/ul# | 95       |
| 59) Diethylphthalate          | 15.560 | 149  | 172894   | 20.604 | ng/ul  | 99       |
| 61) Fluorene                  | 15.801 | 166  | 169943   | 20.776 | ng/ul  | 100      |
| 62) 4-Chlorophenyl-phenyle... | 15.783 | 204  | 91063    | 20.921 | ng/ul  | 96       |
| 63) 4-Nitroaniline            | 15.801 | 138  | 38442    | 25.803 | ng/ul  | 96       |
| 66) 4,6-Dinitro-2-methylph... | 15.866 | 198  | 30983    | 22.430 | ng/ul  | 98       |
| 67) N-Nitrosodiphenylamine    | 15.995 | 169  | 149150   | 19.885 | ng/ul  | 94       |
| 68) 4-Bromophenyl-phenylether | 16.682 | 248  | 65069    | 23.689 | ng/ul  | 96       |
| 69) Hexachlorobenzene         | 16.806 | 284  | 73627    | 20.750 | ng/ul# | 91       |
| 70) Atrazine                  | 16.941 | 200  | 64926    | 21.121 | ng/ul  | 96       |
| 71) Pentachlorophenol         | 17.146 | 266  | 39319m   | 18.223 | ng/ul  |          |
| 72) Phenanthrene              | 17.540 | 178  | 294426   | 20.222 | ng/ul  | 99       |
| 74) Anthracene                | 17.628 | 178  | 291971   | 20.058 | ng/ul  | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 13.563 | 216  | 83303    | 20.162 | ng/ul  | 97       |
| 76) Pentachlorobenzene        | 15.073 | 250  | 81378    | 20.529 | ng/ul  | 95       |
| 77) Carbazole                 | 17.892 | 167  | 262247   | 20.386 | ng/ul  | 97       |
| 78) Di-n-butylphthalate       | 18.450 | 149  | 303629   | 19.848 | ng/ul  | 99       |
| 80) Fluoranthene              | 19.543 | 202  | 380880   | 19.937 | ng/ul  | 98       |
| 82) Pyrene                    | 19.907 | 202  | 372153   | 19.599 | ng/ul# | 95       |
| 83) Butylbenzylphthalate      | 20.782 | 149  | 134880   | 20.430 | ng/ul  | 96       |
| 84) 3,3'-Dichlorobenzidine    | 21.670 | 252  | 134371   | 20.688 | ng/ul  | 89       |
| 85) Benzo(a)anthracene        | 21.764 | 228  | 371529   | 19.864 | ng/ul  | 99       |
| 86) Bis(2-ethylhexyl)phtha... | 21.664 | 149  | 184816   | 20.212 | ng/ul  | 97       |
| 87) Chrysene                  | 21.828 | 228  | 347086   | 19.456 | ng/ul  | 99       |
| 89) Di-n-octyl phthalate      | 22.903 | 149  | 313274   | 20.335 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 24.037 | 252  | 388396   | 20.337 | ng/ul  | 98       |
| 91) Benzo(k)fluoranthene      | 24.107 | 252  | 351034   | 19.916 | ng/ul  | 97       |
| 93) Benzo(a)pyrene            | 24.936 | 252  | 366068   | 20.302 | ng/ul# | 98       |
| 94) Indeno(1,2,3-cd)pyrene    | 28.860 | 276  | 412974   | 20.252 | ng/ul  | 98       |
| 95) Dibenzo(a,h)anthracene    | 28.936 | 278  | 352618m  | 20.345 | ng/ul  |          |
| 96) Benzo(g,h,i)perylene      | 30.046 | 276  | 345131m  | 20.021 | ng/ul  |          |

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

