

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG120221\  
 Data File : BG051343.D  
 Acq On : 4 Dec 2021 00:54  
 Operator : CG/JU  
 Sample : SSTDCCC020EC  
 Misc :  
 ALS Vial : 48 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSTD020574

Quant Time: Dec 04 02:28:16 2021  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG112321.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Dec 03 15:23:09 2021  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 12/06/2021  
 Supervised By :mohammad ahmed 12/07/2021

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.188  | 152  | 34608    | 20.000 | ng/u1  | -0.01    |
| 20) Naphthalene-d8            | 11.020 | 136  | 150736   | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.822 | 164  | 97090    | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.572 | 188  | 211828   | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.872 | 240  | 184149   | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 25.274 | 264  | 184684   | 20.000 | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.529  | 96   | 7523     | 7.554  | ng/uL  | -0.01    |
| 4) Pyridine-d5                | 3.964  | 84   | 54147    | 18.529 | ng/u1  | -0.01    |
| 7) Phenol-d5                  | 7.354  | 99   | 63470    | 18.556 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.507  | 67   | 40635    | 18.916 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.724  | 132  | 46692    | 18.957 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.905  | 113  | 50875    | 18.432 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 9.369  | 128  | 24642    | 19.366 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 10.092 | 143  | 28969    | 20.182 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.644 | 165  | 47904    | 19.670 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 11.156 | 131  | 67186    | 18.854 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 14.217 | 166  | 142375   | 19.058 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.522 | 160  | 189295   | 20.095 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 15.051 | 143  | 18798    | 15.545 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.815 | 176  | 128235   | 19.062 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.950 | 200  | 20344    | 15.564 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.671 | 188  | 197605   | 19.505 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.951 | 212  | 220295   | 19.771 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 25.033 | 264  | 189517   | 19.214 | ng/u1  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.570  | 88   | 7444     | 6.628  | ng/uL  | 88       |
| 5) Pyridine                   | 3.982  | 79   | 57190    | 18.807 | ng/u1  | 98       |
| 6) Benzaldehyde               | 7.325  | 77   | 47324    | 21.726 | ng/u1  | 92       |
| 8) Phenol                     | 7.384  | 94   | 67165    | 18.955 | ng/u1  | 99       |
| 10) Bis(2-Chloroethyl)ether   | 7.601  | 93   | 51827    | 19.333 | ng/u1  | 91       |
| 12) 2-Chlorophenol            | 7.754  | 128  | 47880    | 19.076 | ng/u1  | 99       |
| 13) 2-Methylphenol            | 8.641  | 108  | 49128    | 18.614 | ng/u1  | 97       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.706  | 45   | 75417    | 19.496 | ng/u1  | 97       |
| 16) Acetophenone              | 9.023  | 105  | 78817    | 18.461 | ng/u1  | 98       |
| 17) N-Nitroso-di-n-propyla... | 8.993  | 70   | 46571    | 18.982 | ng/u1  | 98       |
| 18) 4-Methylphenol            | 8.970  | 108  | 53419    | 18.928 | ng/u1  | 98       |
| 19) Hexachloroethane          | 9.275  | 117  | 20085    | 18.945 | ng/u1  | 91       |
| 22) Nitrobenzene              | 9.411  | 77   | 66998    | 20.081 | ng/u1  | 97       |
| 23) Isophorone                | 9.928  | 82   | 126155   | 19.462 | ng/u1  | 98       |
| 25) 2-Nitrophenol             | 10.127 | 139  | 28759    | 19.344 | ng/u1  | 99       |
| 26) 2,4-Dimethylphenol        | 10.180 | 107  | 60010    | 19.742 | ng/u1  | 99       |
| 27) Bis(2-Chloroethoxy)met... | 10.404 | 93   | 70124    | 19.596 | ng/u1  | 98       |
| 29) 2,4-Dichlorophenol        | 10.674 | 162  | 47086    | 19.641 | ng/u1  | 99       |
| 30) Naphthalene               | 11.067 | 128  | 158316   | 19.302 | ng/u1  | 98       |
| 32) 4-Chloroaniline           | 11.179 | 127  | 67977    | 19.002 | ng/u1  | 98       |
| 33) Hexachlorobutadiene       | 11.332 | 225  | 30658    | 18.541 | ng/u1  | 96       |
| 34) Caprolactam               | 11.943 | 113  | 17773    | 18.858 | ng/u1  | 93       |
| 35) 4-Chloro-3-methylphenol   | 12.301 | 107  | 56183    | 19.510 | ng/u1  | 97       |
| 36) 2-Methylnaphthalene       | 12.660 | 142  | 107443   | 19.259 | ng/u1  | 97       |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG120221\  
 Data File : BG051343.D  
 Acq On : 4 Dec 2021 00:54  
 Operator : CG/JU  
 Sample : SSTDCCC020EC  
 Misc :  
 ALS Vial : 48 Sample Multiplier: 1

## Instrument :

BNA\_G

## ClientSampleId :

SSTD020574

## Manual Integrations

## APPROVED

Reviewed By :Jagrut Upadhyay 12/06/2021  
 Supervised By :mohammad ahmed 12/07/2021

Quant Time: Dec 04 02:28:16 2021

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG112321.M

Quant Title : SVOA CALIBRATION

QLast Update : Fri Dec 03 15:23:09 2021

Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 37) 1-Methylnaphthalene       | 12.877 | 142  | 108544   | 18.912 | ng/ul  | 99       |
| 39) 1,2,4,5-Tetrachloroben... | 13.024 | 216  | 60595    | 19.880 | ng/ul  | 98       |
| 40) Hexachlorocyclopentadiene | 12.989 | 237  | 22677    | 18.407 | ng/ul  | 97       |
| 41) 2,4,6-Trichlorophenol     | 13.271 | 196  | 37439    | 19.573 | ng/ul  | 98       |
| 42) 2,4,5-Trichlorophenol     | 13.353 | 196  | 36910    | 18.427 | ng/ul  | 98       |
| 43) 1,1'-Biphenyl             | 13.659 | 154  | 144133   | 19.876 | ng/ul  | 98       |
| 44) 2-Chloronaphthalene       | 13.706 | 162  | 114484   | 19.846 | ng/ul  | 99       |
| 45) 2-Nitroaniline            | 13.917 | 65   | 41845    | 20.960 | ng/ul  | 93       |
| 47) Dimethylphthalate         | 14.264 | 163  | 143199   | 18.937 | ng/ul  | 100      |
| 48) 2,6-Dinitrotoluene        | 14.405 | 165  | 31092    | 19.575 | ng/ul  | 97       |
| 50) Acenaphthylene            | 14.552 | 152  | 182513   | 19.610 | ng/ul  | 99       |
| 51) 3-Nitroaniline            | 14.740 | 138  | 32686    | 20.819 | ng/ul  | 90       |
| 52) Acenaphthene              | 14.887 | 153  | 120619   | 19.651 | ng/ul  | 96       |
| 53) 2,4-Dinitrophenol         | 14.963 | 184  | 15687    | 17.868 | ng/ul# | 86       |
| 55) 4-Nitrophenol             | 15.063 | 109  | 17124    | 16.324 | ng/ul  | 90       |
| 56) Dibenzofuran              | 15.221 | 168  | 170415   | 19.249 | ng/ul  | 96       |
| 57) 2,4-Dinitrotoluene        | 15.198 | 165  | 42717    | 18.829 | ng/ul# | 98       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.451 | 232  | 27045    | 17.194 | ng/ul  | 97       |
| 59) Diethylphthalate          | 15.615 | 149  | 152695   | 19.238 | ng/ul  | 99       |
| 61) Fluorene                  | 15.868 | 166  | 136294   | 19.219 | ng/ul  | 98       |
| 62) 4-Chlorophenyl-phenyle... | 15.850 | 204  | 71509    | 18.711 | ng/ul  | 94       |
| 63) 4-Nitroaniline            | 15.903 | 138  | 33609m   | 21.997 | ng/ul  |          |
| 66) 4,6-Dinitro-2-methylph... | 15.962 | 198  | 20085    | 15.933 | ng/ul# | 97       |
| 67) N-Nitrosodiphenylamine    | 16.067 | 169  | 121461   | 20.029 | ng/ul  | 98       |
| 68) 4-Bromophenyl-phenylether | 16.749 | 248  | 44001    | 19.381 | ng/ul  | 92       |
| 69) Hexachlorobenzene         | 16.878 | 284  | 44881    | 19.387 | ng/ul  | 97       |
| 70) Atrazine                  | 17.008 | 200  | 51008    | 20.014 | ng/ul  | 96       |
| 71) Pentachlorophenol         | 17.231 | 266  | 19394m   | 18.906 | ng/ul  |          |
| 72) Phenanthrene              | 17.619 | 178  | 229383   | 19.612 | ng/ul  | 99       |
| 74) Anthracene                | 17.707 | 178  | 228598   | 19.680 | ng/ul  | 98       |
| 75) 1,2,3,4-Tetrachloroben... | 13.629 | 216  | 62619    | 20.267 | ng/uL  | 96       |
| 76) Pentachlorobenzene        | 15.139 | 250  | 58013    | 20.151 | ng/uL  | 98       |
| 77) Carbazole                 | 17.983 | 167  | 205804   | 20.185 | ng/ul  | 99       |
| 78) Di-n-butylphthalate       | 18.500 | 149  | 262080   | 19.935 | ng/ul  | 99       |
| 80) Fluoranthene              | 19.616 | 202  | 277366   | 20.267 | ng/ul  | 97       |
| 82) Pyrene                    | 19.981 | 202  | 268419   | 20.051 | ng/ul  | 97       |
| 83) Butylbenzylphthalate      | 20.838 | 149  | 110610   | 19.874 | ng/ul  | 98       |
| 84) 3,3'-Dichlorobenzidine    | 21.761 | 252  | 82525    | 19.248 | ng/ul  | 98       |
| 85) Benzo(a)anthracene        | 21.855 | 228  | 246182   | 19.710 | ng/ul  | 99       |
| 86) Bis(2-ethylhexyl)phtha... | 21.714 | 149  | 160229   | 20.007 | ng/ul  | 99       |
| 87) Chrysene                  | 21.925 | 228  | 232950   | 19.414 | ng/ul  | 99       |
| 89) Di-n-octyl phthalate      | 22.971 | 149  | 272445   | 20.363 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 24.187 | 252  | 237384   | 19.046 | ng/ul  | 99       |
| 91) Benzo(k)fluoranthene      | 24.252 | 252  | 227395   | 19.442 | ng/ul  | 99       |
| 93) Benzo(a)pyrene            | 25.110 | 252  | 229791   | 19.325 | ng/ul  | 97       |
| 94) Indeno(1,2,3-cd)pyrene    | 29.187 | 276  | 255840   | 19.227 | ng/ul  | 99       |
| 95) Dibenzo(a,h)anthracene    | 29.240 | 278  | 217201   | 19.241 | ng/ul  | 97       |
| 96) Benzo(g,h,i)perylene      | 30.421 | 276  | 215136   | 19.217 | ng/ul  | 98       |

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

