

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG112321\  
 Data File : BG051190.D  
 Acq On : 23 Nov 2021 19:58  
 Operator : CG/JU  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

## Instrument :

BNA\_G

## ClientSampleId :

SSTD020556

## Manual Integrations

## APPROVED

Reviewed By :Jagrut Upadhyay 11/24/2021  
 Supervised By :mohammad ahmed 11/30/2021

Quant Time: Nov 24 06:55:40 2021

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

Quant Title : SVOA CALIBRATION

QLast Update : Wed Nov 24 06:04:50 2021

Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.197  | 152  | 27201    | 20.000 | ng/ul  | 0.00     |
| 20) Naphthalene-d8            | 11.023 | 136  | 123845   | 20.000 | ng/ul  | 0.00     |
| 38) Acenaphthene-d10          | 14.830 | 164  | 89665    | 20.000 | ng/ul  | 0.00     |
| 64) Phenanthrene-d10          | 17.580 | 188  | 212238   | 20.000 | ng/ul  | 0.00     |
| 79) Chrysene-d12              | 21.881 | 240  | 188928   | 20.000 | ng/ul  | 0.00     |
| 88) Perylene-d12              | 25.277 | 264  | 191816   | 20.000 | ng/ul  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.538  | 96   | 5610     | 7.167  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.972  | 84   | 40613    | 17.682 | ng/ul  | 0.00     |
| 7) Phenol-d5                  | 7.357  | 99   | 47140    | 17.535 | ng/ul  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.509  | 67   | 30618    | 18.134 | ng/ul  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.727  | 132  | 34143    | 17.637 | ng/ul  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.908  | 113  | 38166    | 17.593 | ng/ul  | 0.00     |
| 21) Nitrobenzene-d5           | 9.372  | 128  | 18958    | 18.134 | ng/ul  | 0.00     |
| 24) 2-Nitrophenol-d4          | 10.101 | 143  | 21781    | 18.470 | ng/ul  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.647 | 165  | 36529    | 18.257 | ng/ul  | 0.00     |
| 31) 4-Chloroaniline-d4        | 11.164 | 131  | 52262    | 17.851 | ng/ul  | 0.00     |
| 46) Dimethylphthalate-d6      | 14.225 | 166  | 128869   | 18.679 | ng/ul  | 0.00     |
| 49) Acenaphthylene-d8         | 14.525 | 160  | 156638   | 18.005 | ng/ul  | 0.00     |
| 54) 4-Nitrophenol-d4          | 15.042 | 143  | 20065m   | 17.967 | ng/ul  | 0.00     |
| 60) Fluorene-d10              | 15.817 | 176  | 112971   | 18.184 | ng/ul  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.947 | 200  | 23020    | 17.577 | ng/ul  | 0.00     |
| 73) Anthracene-d10            | 17.680 | 188  | 185113   | 18.237 | ng/ul  | 0.00     |
| 81) Pyrene-d10                | 19.960 | 212  | 209880   | 18.360 | ng/ul  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 25.042 | 264  | 182737   | 17.838 | ng/ul  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.579  | 88   | 6211m    | 7.036  | ng/uL  |          |
| 5) Pyridine                   | 3.990  | 79   | 43235    | 18.090 | ng/ul  | 95       |
| 6) Benzaldehyde               | 7.333  | 77   | 35376    | 20.663 | ng/ul  | 95       |
| 8) Phenol                     | 7.380  | 94   | 49336    | 17.715 | ng/ul  | 99       |
| 10) Bis(2-Chloroethyl)ether   | 7.609  | 93   | 38513    | 18.279 | ng/ul  | 92       |
| 12) 2-Chlorophenol            | 7.762  | 128  | 35051    | 17.768 | ng/ul  | 96       |
| 13) 2-Methylphenol            | 8.643  | 108  | 36134    | 17.419 | ng/ul  | 90       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.720  | 45   | 56687    | 18.644 | ng/ul  | 97       |
| 16) Acetophenone              | 9.025  | 105  | 61848    | 18.431 | ng/ul  | 99       |
| 17) N-Nitroso-di-n-propyla... | 8.996  | 70   | 36825    | 19.097 | ng/ul  | 97       |
| 18) 4-Methylphenol            | 8.972  | 108  | 39791    | 17.938 | ng/ul  | 99       |
| 19) Hexachloroethane          | 9.284  | 117  | 14266    | 17.121 | ng/ul  | 90       |
| 22) Nitrobenzene              | 9.419  | 77   | 51104    | 18.643 | ng/ul  | 96       |
| 23) Isophorone                | 9.936  | 82   | 100367   | 18.846 | ng/ul  | 100      |
| 25) 2-Nitrophenol             | 10.136 | 139  | 22080    | 18.076 | ng/ul  | 98       |
| 26) 2,4-Dimethylphenol        | 10.183 | 107  | 47234    | 18.913 | ng/ul  | 99       |
| 27) Bis(2-Chloroethoxy)met... | 10.412 | 93   | 55520    | 18.884 | ng/ul  | 100      |
| 29) 2,4-Dichlorophenol        | 10.676 | 162  | 35764    | 18.158 | ng/ul  | 95       |
| 30) Naphthalene               | 11.076 | 128  | 123509   | 18.328 | ng/ul  | 98       |
| 32) 4-Chloroaniline           | 11.188 | 127  | 54861    | 18.665 | ng/ul  | 99       |
| 33) Hexachlorobutadiene       | 11.340 | 225  | 23933    | 17.617 | ng/ul  | 99       |
| 34) Caprolactam               | 11.945 | 113  | 14918m   | 19.266 | ng/ul  |          |
| 35) 4-Chloro-3-methylphenol   | 12.304 | 107  | 44784    | 18.928 | ng/ul  | 96       |
| 36) 2-Methylnaphthalene       | 12.668 | 142  | 85574    | 18.670 | ng/ul  | 100      |

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 Response via : Initial Calibration

Manual Integrations  
 APPROVED

Reviewed By :Jagrut Upadhyay 11/24/2021  
 Supervised By :mohammad ahmed 11/30/2021

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 37) 1-Methylnaphthalene       | 12.886 | 142  | 87703    | 18.598 | ng/ul  | 99       |
| 39) 1,2,4,5-Tetrachloroben... | 13.032 | 216  | 49381    | 17.542 | ng/ul  | 99       |
| 40) Hexachlorocyclopentadiene | 12.997 | 237  | 25953    | 22.810 | ng/ul  | 96       |
| 41) 2,4,6-Trichlorophenol     | 13.273 | 196  | 31219    | 17.673 | ng/ul  | 99       |
| 42) 2,4,5-Trichlorophenol     | 13.356 | 196  | 32732    | 17.694 | ng/ul  | 97       |
| 43) 1,1'-Biphenyl             | 13.661 | 154  | 119274   | 17.810 | ng/ul  | 98       |
| 44) 2-Chloronaphthalene       | 13.714 | 162  | 94333    | 17.707 | ng/ul  | 99       |
| 45) 2-Nitroaniline            | 13.920 | 65   | 34220    | 18.560 | ng/ul  | 89       |
| 47) Dimethylphthalate         | 14.272 | 163  | 129194   | 18.500 | ng/ul  | 100      |
| 48) 2,6-Dinitrotoluene        | 14.407 | 165  | 26840    | 18.297 | ng/ul  | 91       |
| 50) Acenaphthylene            | 14.554 | 152  | 155781   | 18.124 | ng/ul  | 100      |
| 51) 3-Nitroaniline            | 14.742 | 138  | 28606    | 19.729 | ng/ul  | 93       |
| 52) Acenaphthene              | 14.895 | 153  | 102267   | 18.041 | ng/ul  | 95       |
| 53) 2,4-Dinitrophenol         | 14.965 | 184  | 14253    | 17.579 | ng/ul  | 89       |
| 55) 4-Nitrophenol             | 15.054 | 109  | 20518    | 21.179 | ng/ul  | 94       |
| 56) Dibenzofuran              | 15.224 | 168  | 148636   | 18.179 | ng/ul  | 99       |
| 57) 2,4-Dinitrotoluene        | 15.195 | 165  | 40427    | 19.296 | ng/ul  | 90       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.459 | 232  | 27832    | 19.160 | ng/ul  | 98       |
| 59) Diethylphthalate          | 15.623 | 149  | 139639   | 19.050 | ng/ul  | 100      |
| 61) Fluorene                  | 15.876 | 166  | 120507   | 18.400 | ng/ul  | 99       |
| 62) 4-Chlorophenyl-phenyle... | 15.858 | 204  | 63612    | 18.023 | ng/ul  | 95       |
| 63) 4-Nitroaniline            | 15.906 | 138  | 29658    | 21.019 | ng/ul  | 96       |
| 66) 4,6-Dinitro-2-methylph... | 15.964 | 198  | 22740    | 18.004 | ng/ul# | 97       |
| 67) N-Nitrosodiphenylamine    | 16.076 | 169  | 109723   | 18.058 | ng/ul  | 95       |
| 68) 4-Bromophenyl-phenylether | 16.757 | 248  | 40525    | 17.816 | ng/ul  | 90       |
| 69) Hexachlorobenzene         | 16.881 | 284  | 40920    | 17.642 | ng/ul  | 95       |
| 70) Atrazine                  | 17.016 | 200  | 46190    | 18.089 | ng/ul  | 98       |
| 71) Pentachlorophenol         | 17.233 | 266  | 18236m   | 17.743 | ng/ul  |          |
| 72) Phenanthrene              | 17.621 | 178  | 208455   | 17.788 | ng/ul  | 100      |
| 74) Anthracene                | 17.715 | 178  | 211761   | 18.195 | ng/ul  | 98       |
| 75) 1,2,3,4-Tetrachloroben... | 13.638 | 216  | 51749    | 16.716 | ng/uL  | 95       |
| 76) Pentachlorobenzene        | 15.148 | 250  | 49787    | 17.260 | ng/uL  | 98       |
| 77) Carbazole                 | 17.985 | 167  | 189310   | 18.531 | ng/ul  | 99       |
| 78) Di-n-butylphthalate       | 18.508 | 149  | 240935   | 18.291 | ng/ul  | 98       |
| 80) Fluoranthene              | 19.625 | 202  | 255558   | 18.201 | ng/ul  | 98       |
| 82) Pyrene                    | 19.989 | 202  | 252335   | 18.372 | ng/ul  | 97       |
| 83) Butylbenzylphthalate      | 20.847 | 149  | 102976   | 18.035 | ng/ul  | 98       |
| 84) 3,3'-Dichlorobenzidine    | 21.769 | 252  | 83453    | 18.972 | ng/ul  | 97       |
| 85) Benzo(a)anthracene        | 21.857 | 228  | 232080   | 18.111 | ng/ul  | 99       |
| 86) Bis(2-ethylhexyl)phtha... | 21.722 | 149  | 150253   | 18.287 | ng/ul  | 100      |
| 87) Chrysene                  | 21.928 | 228  | 220557   | 17.917 | ng/ul  | 99       |
| 89) Di-n-octyl phthalate      | 22.985 | 149  | 257763   | 18.549 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 24.190 | 252  | 233635   | 18.048 | ng/ul  | 99       |
| 91) Benzo(k)fluoranthene      | 24.260 | 252  | 215282   | 17.722 | ng/ul  | 98       |
| 93) Benzo(a)pyrene            | 25.118 | 252  | 222679   | 18.031 | ng/ul  | 98       |
| 94) Indeno(1,2,3-cd)pyrene    | 29.190 | 276  | 247430   | 17.904 | ng/ul  | 97       |
| 95) Dibenzo(a,h)anthracene    | 29.243 | 278  | 209178   | 17.842 | ng/ul  | 100      |
| 96) Benzo(g,h,i)perylene      | 30.406 | 276  | 207169   | 17.817 | ng/ul  | 95       |

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

