

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG011722\  
 Data File : BG052064.D  
 Acq On : 18 Jan 2022 23:05  
 Operator : CG/JU  
 Sample : SSTDCCC020EC  
 Misc :  
 ALS Vial : 50 Sample Multiplier: 1

## Instrument :

BNA\_G

## ClientSampleId :

SSTD020494

## Manual Integrations

## APPROVED

Reviewed By :Jagrut Upadhyay 01/19/2022  
 Supervised By :mohammad ahmed 01/21/2022

Quant Time: Jan 19 03:12:19 2022

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG010622.M

Quant Title : SVOA CALIBRATION

QLast Update : Thu Jan 06 14:43:02 2022

Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.242  | 152  | 31156    | 20.000 | ng/u1  | -0.01    |
| 20) Naphthalene-d8            | 11.085 | 136  | 134463   | 20.000 | ng/u1  | # 0.00   |
| 38) Acenaphthene-d10          | 14.892 | 164  | 98060    | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.641 | 188  | 234142   | 20.000 | ng/u1  | # 0.00   |
| 79) Chrysene-d12              | 21.959 | 240  | 197476   | 20.000 | ng/u1  | # 0.00   |
| 88) Perylene-d12              | 25.448 | 264  | 202641   | 20.000 | ng/u1  | 0.00     |
|                               |        |      |          |        |        |          |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.572  | 96   | 6033     | 6.919  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.995  | 84   | 42733    | 15.766 | ng/u1  | -0.01    |
| 7) Phenol-d5                  | 7.384  | 99   | 56112    | 18.401 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.549  | 67   | 33320    | 17.213 | ng/u1  | -0.01    |
| 11) 2-Chlorophenol-d4         | 7.772  | 132  | 39320    | 19.476 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.947  | 113  | 44765    | 18.885 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 9.417  | 128  | 22488    | 21.165 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 10.145 | 143  | 25012    | 21.285 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.697 | 165  | 49941    | 21.743 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 11.209 | 131  | 61313    | 19.168 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 14.281 | 166  | 151207   | 18.655 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.586 | 160  | 192972   | 19.709 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 15.068 | 143  | 23406    | 17.272 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.879 | 176  | 133828   | 18.937 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.990 | 200  | 24951    | 16.892 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.741 | 188  | 214833   | 19.342 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 20.014 | 212  | 239795   | 21.099 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 25.207 | 264  | 206013   | 19.311 | ng/u1  | 0.01     |
|                               |        |      |          |        |        |          |
| Target Compounds              |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.607  | 88   | 6062     | 6.026  | ng/uL# | 94       |
| 5) Pyridine                   | 4.018  | 79   | 45287    | 15.948 | ng/u1  | 88       |
| 6) Benzaldehyde               | 7.367  | 77   | 38536    | 18.998 | ng/u1  | 94       |
| 8) Phenol                     | 7.414  | 94   | 56294    | 18.087 | ng/u1  | 98       |
| 10) Bis(2-Chloroethyl)ether   | 7.643  | 93   | 40292    | 17.685 | ng/u1  | 91       |
| 12) 2-Chlorophenol            | 7.801  | 128  | 41037    | 19.981 | ng/u1  | 93       |
| 13) 2-Methylphenol            | 8.683  | 108  | 42386    | 18.727 | ng/u1  | 96       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.777  | 45   | 56720    | 16.322 | ng/u1  | 98       |
| 16) Acetophenone              | 9.070  | 105  | 67848    | 18.135 | ng/u1  | 94       |
| 17) N-Nitroso-di-n-propyla... | 9.047  | 70   | 39697    | 17.368 | ng/u1  | 98       |
| 18) 4-Methylphenol            | 9.012  | 108  | 47254    | 19.274 | ng/u1  | 100      |
| 19) Hexachloroethane          | 9.346  | 117  | 16880    | 19.037 | ng/u1  | 88       |
| 22) Nitrobenzene              | 9.458  | 77   | 56721    | 17.211 | ng/u1# | 95       |
| 23) Isophorone                | 9.987  | 82   | 109911   | 17.641 | ng/u1  | 99       |
| 25) 2-Nitrophenol             | 10.181 | 139  | 25844    | 20.012 | ng/u1  | 95       |
| 26) 2,4-Dimethylphenol        | 10.233 | 107  | 55331    | 19.746 | ng/u1  | 95       |
| 27) Bis(2-Chloroethoxy)met... | 10.463 | 93   | 58152    | 18.128 | ng/u1  | 98       |
| 29) 2,4-Dichlorophenol        | 10.721 | 162  | 45198    | 20.037 | ng/u1  | 99       |
| 30) Naphthalene               | 11.138 | 128  | 141423   | 19.409 | ng/u1  | 98       |
| 32) 4-Chloroaniline           | 11.232 | 127  | 62638    | 19.215 | ng/u1  | 97       |
| 33) Hexachlorobutadiene       | 11.420 | 225  | 34653    | 19.272 | ng/u1  | 97       |
| 34) Caprolactam               | 11.978 | 113  | 15917m   | 18.130 | ng/u1  |          |
| 35) 4-Chloro-3-methylphenol   | 12.348 | 107  | 49780    | 19.113 | ng/u1  | 93       |
| 36) 2-Methylnaphthalene       | 12.730 | 142  | 102982   | 19.842 | ng/u1  | 99       |

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 QLast Update : Thu Jan 06 14:43:02 2022  
 Response via : Initial Calibration

### Manual Integrations APPROVED

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 Supervised By :mohammad ahmed 01/21/2022

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 37) 1-Methylnaphthalene       | 12.947 | 142  | 105646   | 19.834 | ng/ul  | 96       |
| 39) 1,2,4,5-Tetrachloroben... | 13.094 | 216  | 66900    | 19.728 | ng/ul  | 96       |
| 40) Hexachlorocyclopentadiene | 13.077 | 237  | 38137    | 16.390 | ng/ul  | 99       |
| 41) 2,4,6-Trichlorophenol     | 13.329 | 196  | 43202    | 20.157 | ng/ul  | 96       |
| 42) 2,4,5-Trichlorophenol     | 13.400 | 196  | 46090    | 19.948 | ng/ul  | 96       |
| 43) 1,1'-Biphenyl             | 13.723 | 154  | 147283   | 19.456 | ng/ul  | 98       |
| 44) 2-Chloronaphthalene       | 13.770 | 162  | 113652   | 19.385 | ng/ul  | 98       |
| 45) 2-Nitroaniline            | 13.958 | 65   | 39383    | 17.528 | ng/ul  | 90       |
| 47) Dimethylphthalate         | 14.328 | 163  | 143410   | 17.944 | ng/ul  | 98       |
| 48) 2,6-Dinitrotoluene        | 14.451 | 165  | 32377    | 19.213 | ng/ul# | 85       |
| 50) Acenaphthylene            | 14.616 | 152  | 186227   | 19.316 | ng/ul  | 97       |
| 51) 3-Nitroaniline            | 14.780 | 138  | 30738    | 20.165 | ng/ul  | 99       |
| 52) Acenaphthene              | 14.956 | 153  | 122117   | 19.050 | ng/ul  | 96       |
| 53) 2,4-Dinitrophenol         | 14.986 | 184  | 18200    | 18.319 | ng/ul# | 81       |
| 55) 4-Nitrophenol             | 15.086 | 109  | 24580    | 15.806 | ng/ul  | 84       |
| 56) Dibenzofuran              | 15.285 | 168  | 173727   | 18.660 | ng/ul  | 97       |
| 57) 2,4-Dinitrotoluene        | 15.238 | 165  | 45104    | 18.513 | ng/ul  | 94       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.509 | 232  | 40950    | 19.108 | ng/ul# | 89       |
| 59) Diethylphthalate          | 15.685 | 149  | 145384   | 17.632 | ng/ul  | 96       |
| 61) Fluorene                  | 15.937 | 166  | 146200   | 18.845 | ng/ul  | 97       |
| 62) 4-Chlorophenyl-phenyle... | 15.920 | 204  | 81589    | 18.951 | ng/ul  | 93       |
| 63) 4-Nitroaniline            | 15.937 | 138  | 30497    | 19.473 | ng/ul  | 90       |
| 66) 4,6-Dinitro-2-methylph... | 16.002 | 198  | 24540    | 17.378 | ng/ul# | 90       |
| 67) N-Nitrosodiphenylamine    | 16.131 | 169  | 126124   | 20.046 | ng/ul  | 96       |
| 68) 4-Bromophenyl-phenylether | 16.819 | 248  | 55461    | 20.233 | ng/ul# | 86       |
| 69) Hexachlorobenzene         | 16.948 | 284  | 61372    | 20.188 | ng/ul  | 90       |
| 70) Atrazine                  | 17.071 | 200  | 55073    | 18.868 | ng/ul  | 99       |
| 71) Pentachlorophenol         | 17.289 | 266  | 35694    | 21.024 | ng/ul  | 97       |
| 72) Phenanthrene              | 17.682 | 178  | 232412   | 18.944 | ng/ul  | 99       |
| 74) Anthracene                | 17.776 | 178  | 236157   | 19.229 | ng/ul  | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 13.693 | 216  | 70812    | 20.137 | ng/ul  | 97       |
| 76) Pentachlorobenzene        | 15.209 | 250  | 72999    | 21.329 | ng/ul  | 98       |
| 77) Carbazole                 | 18.035 | 167  | 207761   | 18.774 | ng/ul  | 99       |
| 78) Di-n-butylphthalate       | 18.581 | 149  | 244556   | 18.696 | ng/ul  | 100      |
| 80) Fluoranthene              | 19.685 | 202  | 277009   | 21.091 | ng/ul# | 90       |
| 82) Pyrene                    | 20.044 | 202  | 271320   | 20.982 | ng/ul# | 88       |
| 83) Butylbenzylphthalate      | 20.913 | 149  | 93552    | 20.789 | ng/ul# | 94       |
| 84) 3,3'-Dichlorobenzidine    | 21.841 | 252  | 95569    | 20.965 | ng/ul# | 97       |
| 85) Benzo(a)anthracene        | 21.941 | 228  | 253825   | 19.545 | ng/ul  | 100      |
| 86) Bis(2-ethylhexyl)phtha... | 21.818 | 149  | 129787   | 19.720 | ng/ul# | 98       |
| 87) Chrysene                  | 22.012 | 228  | 239147   | 19.123 | ng/ul  | 100      |
| 89) Di-n-octyl phthalate      | 23.122 | 149  | 218326   | 19.504 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 24.338 | 252  | 263606   | 19.629 | ng/ul# | 94       |
| 91) Benzo(k)fluoranthene      | 24.408 | 252  | 241407   | 19.442 | ng/ul# | 96       |
| 93) Benzo(a)pyrene            | 25.290 | 252  | 245213   | 19.294 | ng/ul# | 95       |
| 94) Indeno(1,2,3-cd)pyrene    | 29.466 | 276  | 286313   | 19.680 | ng/ul# | 92       |
| 95) Dibenzo(a,h)anthracene    | 29.548 | 278  | 245022   | 19.911 | ng/ul# | 91       |
| 96) Benzo(g,h,i)perylene      | 30.729 | 276  | 241700   | 19.759 | ng/ul# | 88       |

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

