

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG091923\  
 Data File : BG059097.D  
 Acq On : 19 Sep 2023 20:25  
 Operator : MA/JU  
 Sample : SSTD08029  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSTD080432

Quant Time: Sep 20 04:14:24 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG091923.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Sep 20 03:48:48 2023  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/20/2023  
 Supervised By :mohammad ahmed 09/21/2023

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.297  | 152  | 31700    | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 11.146 | 136  | 161949   | 20.000 | ng/u1  | # 0.00   |
| 38) Acenaphthene-d10          | 14.930 | 164  | 103949   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.680 | 188  | 235482   | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 22.004 | 240  | 194903   | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 25.553 | 264  | 229026   | 20.000 | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.608  | 96   | 24930    | 34.291 | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 4.043  | 84   | 196905   | 79.295 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 7.415  | 99   | 258661   | 82.222 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.621  | 67   | 156378   | 80.527 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.815  | 132  | 193929   | 82.601 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.990  | 113  | 210721   | 82.196 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 9.501  | 128  | 105794   | 80.366 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 10.218 | 143  | 112280   | 86.596 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.741 | 165  | 204727   | 81.450 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 11.287 | 131  | 311079   | 79.285 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 14.331 | 166  | 633561   | 79.006 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.636 | 160  | 793533   | 89.556 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 15.118 | 143  | 123102   | 78.974 | ng/u1  | 0.02     |
| 60) Fluorene-d10              | 15.917 | 176  | 585178   | 83.720 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 16.035 | 200  | 118660   | 88.339 | ng/u1  | 0.01     |
| 73) Anthracene-d10            | 17.786 | 188  | 860878   | 80.315 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 20.054 | 212  | 914630   | 81.964 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 25.318 | 264  | 914909   | 80.937 | ng/u1  | 0.03     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.643  | 88   | 27462    | 27.271 | ng/uL  | 91       |
| 5) Pyridine                   | 4.061  | 79   | 200090   | 79.213 | ng/u1  | 98       |
| 6) Benzaldehyde               | 7.445  | 77   | 111391   | 67.438 | ng/u1  | 97       |
| 8) Phenol                     | 7.445  | 94   | 267555   | 82.298 | ng/u1  | 98       |
| 10) Bis(2-Chloroethyl)ether   | 7.715  | 93   | 209022   | 82.368 | ng/u1  | 96       |
| 12) 2-Chlorophenol            | 7.850  | 128  | 197878   | 81.791 | ng/u1  | 95       |
| 13) 2-Methylphenol            | 8.720  | 108  | 199578   | 76.557 | ng/u1  | 90       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.814  | 45   | 436757   | 81.789 | ng/u1  | 99       |
| 16) Acetophenone              | 9.149  | 105  | 319119   | 77.147 | ng/u1  | 95       |
| 17) N-Nitroso-di-n-propyla... | 9.119  | 70   | 161035   | 74.146 | ng/u1  | 98       |
| 18) 4-Methylphenol            | 9.061  | 108  | 216270   | 75.676 | ng/u1  | 92       |
| 19) Hexachloroethane          | 9.384  | 117  | 77075    | 79.238 | ng/u1  | 93       |
| 22) Nitrobenzene              | 9.548  | 77   | 234551   | 73.796 | ng/u1  | 94       |
| 23) Isophorone                | 10.059 | 82   | 498760   | 77.855 | ng/u1  | 98       |
| 25) 2-Nitrophenol             | 10.253 | 139  | 121005   | 83.514 | ng/u1  | 98       |
| 26) 2,4-Dimethylphenol        | 10.277 | 107  | 219089   | 76.585 | ng/u1  | 92       |
| 27) Bis(2-Chloroethoxy)met... | 10.535 | 93   | 307327   | 82.148 | ng/u1  | 97       |
| 29) 2,4-Dichlorophenol        | 10.770 | 162  | 205624   | 81.118 | ng/u1  | 94       |
| 30) Naphthalene               | 11.199 | 128  | 711956   | 81.423 | ng/u1  | 99       |
| 32) 4-Chloroaniline           | 11.317 | 127  | 302851   | 80.232 | ng/u1  | 96       |
| 33) Hexachlorobutadiene       | 11.428 | 225  | 127585   | 85.575 | ng/u1# | 86       |
| 34) Caprolactam               | 12.116 | 113  | 66903m   | 68.591 | ng/u1  |          |
| 35) 4-Chloro-3-methylphenol   | 12.386 | 107  | 214175   | 72.573 | ng/u1  | 97       |
| 36) 2-Methylnaphthalene       | 12.780 | 142  | 472607   | 79.819 | ng/u1  | 100      |

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 Sample : SST08029  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

## Instrument :

BNA\_G

## ClientSampleId :

SSTD080432

## Manual Integrations

## APPROVED

Reviewed By :Yogesh Patel 09/20/2023

Supervised By :mohammad ahmed 09/21/2023

Quant Time: Sep 20 04:14:24 2023

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG091923.MA.M

Quant Title : SVOA CALIBRATION

QLast Update : Wed Sep 20 03:48:48 2023

Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 37) 1-Methylnaphthalene       | 12.997 | 142  | 477199   | 78.928 | ng/ul  | 98       |
| 39) 1,2,4,5-Tetrachloroben... | 13.121 | 216  | 249359   | 89.098 | ng/ul  | 98       |
| 40) Hexachlorocyclopentadiene | 13.074 | 237  | 163303   | 96.097 | ng/ul  | 95       |
| 41) 2,4,6-Trichlorophenol     | 13.361 | 196  | 165619   | 82.134 | ng/ul  | 95       |
| 42) 2,4,5-Trichlorophenol     | 13.432 | 196  | 179408   | 81.899 | ng/ul  | 96       |
| 43) 1,1'-Biphenyl             | 13.767 | 154  | 663363   | 86.928 | ng/ul  | 97       |
| 44) 2-Chloronaphthalene       | 13.820 | 162  | 511950   | 82.187 | ng/ul  | 95       |
| 45) 2-Nitroaniline            | 14.037 | 65   | 168701   | 78.564 | ng/ul  | 99       |
| 47) Dimethylphthalate         | 14.378 | 163  | 643134   | 78.979 | ng/ul  | 99       |
| 48) 2,6-Dinitrotoluene        | 14.519 | 165  | 130428   | 80.933 | ng/ul# | 86       |
| 50) Acenaphthylene            | 14.666 | 152  | 831799   | 80.801 | ng/ul  | 100      |
| 51) 3-Nitroaniline            | 14.860 | 138  | 130136   | 77.438 | ng/ul  | 96       |
| 52) Acenaphthene              | 14.995 | 153  | 559808   | 82.982 | ng/ul  | 99       |
| 53) 2,4-Dinitrophenol         | 15.054 | 184  | 85960    | 96.832 | ng/ul  | 89       |
| 55) 4-Nitrophenol             | 15.136 | 109  | 80978    | 72.138 | ng/ul  | 92       |
| 56) Dibenzofuran              | 15.330 | 168  | 740710   | 77.555 | ng/ul  | 97       |
| 57) 2,4-Dinitrotoluene        | 15.300 | 165  | 185325   | 80.179 | ng/ul# | 97       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.535 | 232  | 164704   | 84.221 | ng/ul# | 86       |
| 59) Diethylphthalate          | 15.723 | 149  | 630068   | 76.178 | ng/ul  | 100      |
| 61) Fluorene                  | 15.976 | 166  | 629871   | 77.096 | ng/ul  | 96       |
| 62) 4-Chlorophenyl-phenyle... | 15.958 | 204  | 312095   | 82.578 | ng/ul  | 95       |
| 63) 4-Nitroaniline            | 16.029 | 138  | 121522   | 76.762 | ng/ul# | 84       |
| 66) 4,6-Dinitro-2-methylph... | 16.052 | 198  | 127319   | 88.174 | ng/ul# | 96       |
| 67) N-Nitrosodiphenylamine    | 16.176 | 169  | 514221   | 75.547 | ng/ul  | 97       |
| 68) 4-Bromophenyl-phenylether | 16.857 | 248  | 185409   | 79.575 | ng/ul  | 97       |
| 69) Hexachlorobenzene         | 16.945 | 284  | 204624   | 77.875 | ng/ul  | 94       |
| 70) Atrazine                  | 17.116 | 200  | 183759   | 73.374 | ng/ul  | 97       |
| 71) Pentachlorophenol         | 17.298 | 266  | 145444   | 86.455 | ng/ul  | 93       |
| 72) Phenanthrene              | 17.727 | 178  | 1032084  | 78.627 | ng/ul  | 98       |
| 74) Anthracene                | 17.821 | 178  | 1067483  | 78.515 | ng/ul  | 100      |
| 75) 1,2,3,4-Tetrachloroben... | 13.726 | 216  | 261601   | 90.647 | ng/ul  | 92       |
| 76) Pentachlorobenzene        | 15.224 | 250  | 232322   | 83.956 | ng/ul  | 94       |
| 77) Carbazole                 | 18.091 | 167  | 888790   | 74.101 | ng/ul  | 97       |
| 78) Di-n-butylphthalate       | 18.596 | 149  | 1066226  | 68.095 | ng/ul  | 99       |
| 80) Fluoranthene              | 19.719 | 202  | 1139803  | 81.405 | ng/ul  | 99       |
| 82) Pyrene                    | 20.083 | 202  | 1167667  | 79.854 | ng/ul  | 99       |
| 83) Butylbenzylphthalate      | 20.941 | 149  | 447858   | 76.747 | ng/ul  | 99       |
| 84) 3,3'-Dichlorobenzidine    | 21.893 | 252  | 365975   | 78.123 | ng/ul  | 98       |
| 85) Benzo(a)anthracene        | 21.981 | 228  | 1134574  | 80.734 | ng/ul  | 98       |
| 86) Bis(2-ethylhexyl)phtha... | 21.816 | 149  | 681334   | 76.807 | ng/ul# | 98       |
| 87) Chrysene                  | 22.057 | 228  | 1052397  | 80.797 | ng/ul  | 99       |
| 89) Di-n-octyl phthalate      | 23.138 | 149  | 1166849  | 75.947 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 24.407 | 252  | 1140955  | 79.461 | ng/ul  | 98       |
| 91) Benzo(k)fluoranthene      | 24.490 | 252  | 1166500  | 81.303 | ng/ul  | 97       |
| 93) Benzo(a)pyrene            | 25.400 | 252  | 1097672  | 80.835 | ng/ul  | 99       |
| 94) Indeno(1,2,3-cd)pyrene    | 29.678 | 276  | 1263278m | 82.788 | ng/ul  |          |
| 95) Dibenzo(a,h)anthracene    | 29.772 | 278  | 1020503  | 83.800 | ng/ul  | 99       |
| 96) Benzo(g,h,i)perylene      | 31.000 | 276  | 1006097  | 80.897 | ng/ul  | 96       |

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

