

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG122721\  
 Data File : BG051834.D  
 Acq On : 28 Dec 2021 18:08  
 Operator : CG/JU  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 41 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSTD020464

Quant Time: Dec 29 00:19:34 2021  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG121421.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Dec 23 13:37:07 2021  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 12/29/2021  
 Supervised By :mohammad ahmed 12/31/2021

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.275  | 152  | 34598    | 20.000 | ng/u1  | -0.01    |
| 20) Naphthalene-d8            | 11.112 | 136  | 139898   | 20.000 | ng/u1  | -0.01    |
| 38) Acenaphthene-d10          | 14.907 | 164  | 95583    | 20.000 | ng/u1  | -0.01    |
| 64) Phenanthrene-d10          | 17.656 | 188  | 217583   | 20.000 | ng/u1  | # 0.00   |
| 79) Chrysene-d12              | 21.974 | 240  | 181238   | 20.000 | ng/u1  | #-0.01   |
| 88) Perylene-d12              | 25.475 | 264  | 158917   | 20.000 | ng/u1  | -0.02    |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.604  | 96   | 6290     | 7.550  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 4.033  | 84   | 54589    | 21.687 | ng/u1  | -0.01    |
| 7) Phenol-d5                  | 7.411  | 99   | 67384    | 21.813 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.576  | 67   | 40656    | 22.139 | ng/u1  | -0.02    |
| 11) 2-Chlorophenol-d4         | 7.799  | 132  | 47292    | 22.012 | ng/u1  | -0.01    |
| 15) 4-Methylphenol-d8         | 8.974  | 113  | 50975    | 21.348 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 9.444  | 128  | 23860    | 23.263 | ng/u1  | -0.01    |
| 24) 2-Nitrophenol-d4          | 10.172 | 143  | 26295    | 23.452 | ng/u1  | -0.01    |
| 28) 2,4-Dichlorophenol-d3     | 10.724 | 165  | 53050    | 21.818 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 11.229 | 131  | 63684    | 19.893 | ng/u1  | -0.01    |
| 46) Dimethylphthalate-d6      | 14.296 | 166  | 156515   | 20.458 | ng/u1  | -0.02    |
| 49) Acenaphthylene-d8         | 14.601 | 160  | 201790   | 21.238 | ng/u1  | -0.01    |
| 54) 4-Nitrophenol-d4          | 15.083 | 143  | 18408    | 14.796 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.894 | 176  | 138190   | 20.161 | ng/u1  | -0.01    |
| 65) 4,6-Dinitro-2-methylph... | 15.999 | 200  | 20994    | 18.519 | ng/u1  | -0.01    |
| 73) Anthracene-d10            | 17.750 | 188  | 216715   | 20.879 | ng/u1  | -0.01    |
| 81) Pyrene-d10                | 20.029 | 212  | 245852   | 22.539 | ng/u1  | -0.01    |
| 92) Benzo(a)pyrene-d12        | 25.228 | 264  | 175553   | 20.995 | ng/u1  | -0.02    |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.640  | 88   | 6988     | 8.037  | ng/uL# | 90       |
| 5) Pyridine                   | 4.051  | 79   | 55673    | 22.047 | ng/u1  | 92       |
| 6) Benzaldehyde               | 7.393  | 77   | 48556    | 25.193 | ng/u1  | 93       |
| 8) Phenol                     | 7.435  | 94   | 68068    | 22.160 | ng/u1# | 89       |
| 10) Bis(2-Chloroethyl)ether   | 7.670  | 93   | 49344    | 21.057 | ng/u1  | 99       |
| 12) 2-Chlorophenol            | 7.834  | 128  | 48789    | 22.138 | ng/u1  | 99       |
| 13) 2-Methylphenol            | 8.709  | 108  | 50376    | 21.736 | ng/u1  | 99       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.797  | 45   | 72283    | 22.740 | ng/u1  | 97       |
| 16) Acetophenone              | 9.097  | 105  | 78641    | 20.966 | ng/u1  | 89       |
| 17) N-Nitroso-di-n-propyla... | 9.079  | 70   | 46943    | 20.858 | ng/u1  | 96       |
| 18) 4-Methylphenol            | 9.038  | 108  | 52562    | 21.518 | ng/u1  | 98       |
| 19) Hexachloroethane          | 9.373  | 117  | 19670    | 20.455 | ng/u1# | 82       |
| 22) Nitrobenzene              | 9.485  | 77   | 70840    | 23.746 | ng/u1  | 99       |
| 23) Isophorone                | 10.013 | 82   | 128560   | 21.465 | ng/u1  | 98       |
| 25) 2-Nitrophenol             | 10.201 | 139  | 28725    | 23.967 | ng/u1  | 99       |
| 26) 2,4-Dimethylphenol        | 10.254 | 107  | 61721    | 21.374 | ng/u1  | 96       |
| 27) Bis(2-Chloroethoxy)met... | 10.489 | 93   | 67507    | 21.227 | ng/u1# | 98       |
| 29) 2,4-Dichlorophenol        | 10.748 | 162  | 51147    | 22.108 | ng/u1  | 95       |
| 30) Naphthalene               | 11.159 | 128  | 159883   | 21.213 | ng/u1  | 98       |
| 32) 4-Chloroaniline           | 11.259 | 127  | 65958    | 20.177 | ng/u1  | 95       |
| 33) Hexachlorobutadiene       | 11.447 | 225  | 39216    | 19.966 | ng/u1  | 96       |
| 34) Caprolactam               | 12.005 | 113  | 15388    | 21.970 | ng/u1  | 97       |
| 35) 4-Chloro-3-methylphenol   | 12.363 | 107  | 55545    | 21.428 | ng/u1  | 96       |
| 36) 2-Methylnaphthalene       | 12.751 | 142  | 113752   | 21.155 | ng/u1  | 97       |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG122721\  
 Data File : BG051834.D  
 Acq On : 28 Dec 2021 18:08  
 Operator : CG/JU  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 41 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSTD020464

Quant Time: Dec 29 00:19:34 2021  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG121421.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Dec 23 13:37:07 2021  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

Reviewed By :Jagrut Upadhyay 12/29/2021  
 Supervised By :mohammad ahmed 12/31/2021

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 37) 1-Methylnaphthalene       | 12.968 | 142  | 114878   | 20.576 | ng/ul  | 99       |
| 39) 1,2,4,5-Tetrachloroben... | 13.115 | 216  | 71904    | 21.627 | ng/ul  | 98       |
| 40) Hexachlorocyclopentadiene | 13.097 | 237  | 47882    | 19.835 | ng/ul  | 97       |
| 41) 2,4,6-Trichlorophenol     | 13.344 | 196  | 45623    | 22.668 | ng/ul  | 95       |
| 42) 2,4,5-Trichlorophenol     | 13.421 | 196  | 47985    | 22.749 | ng/ul  | 98       |
| 43) 1,1'-Biphenyl             | 13.744 | 154  | 157518   | 21.514 | ng/ul  | 93       |
| 44) 2-Chloronaphthalene       | 13.791 | 162  | 122516   | 21.644 | ng/ul  | 98       |
| 45) 2-Nitroaniline            | 13.979 | 65   | 44215    | 25.569 | ng/ul  | 94       |
| 47) Dimethylphthalate         | 14.343 | 163  | 150652   | 20.283 | ng/ul  | 98       |
| 48) 2,6-Dinitrotoluene        | 14.460 | 165  | 32514    | 22.899 | ng/ul  | 91       |
| 50) Acenaphthylene            | 14.631 | 152  | 200069   | 21.522 | ng/ul  | 97       |
| 51) 3-Nitroaniline            | 14.795 | 138  | 31257    | 23.022 | ng/ul  | 99       |
| 52) Acenaphthene              | 14.971 | 153  | 129471   | 21.082 | ng/ul  | 96       |
| 53) 2,4-Dinitrophenol         | 15.001 | 184  | 13898    | 16.933 | ng/ul# | 89       |
| 55) 4-Nitrophenol             | 15.095 | 109  | 20827    | 15.603 | ng/ul  | 97       |
| 56) Dibenzofuran              | 15.306 | 168  | 185653   | 20.527 | ng/ul  | 98       |
| 57) 2,4-Dinitrotoluene        | 15.248 | 165  | 45099    | 22.410 | ng/ul# | 97       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.524 | 232  | 40881    | 20.393 | ng/ul# | 91       |
| 59) Diethylphthalate          | 15.700 | 149  | 152603   | 19.723 | ng/ul  | 98       |
| 61) Fluorene                  | 15.952 | 166  | 150127   | 20.145 | ng/ul  | 99       |
| 62) 4-Chlorophenyl-phenyle... | 15.935 | 204  | 83076    | 20.014 | ng/ul  | 95       |
| 63) 4-Nitroaniline            | 15.958 | 138  | 29339    | 21.070 | ng/ul# | 89       |
| 66) 4,6-Dinitro-2-methylph... | 16.017 | 198  | 20794    | 18.678 | ng/ul  | 94       |
| 67) N-Nitrosodiphenylamine    | 16.146 | 169  | 129570   | 22.140 | ng/ul  | 98       |
| 68) 4-Bromophenyl-phenylether | 16.834 | 248  | 55207    | 24.914 | ng/ul# | 85       |
| 69) Hexachlorobenzene         | 16.963 | 284  | 60021    | 21.555 | ng/ul# | 91       |
| 70) Atrazine                  | 17.086 | 200  | 53710    | 20.452 | ng/ul  | 97       |
| 71) Pentachlorophenol         | 17.304 | 266  | 31814    | 18.647 | ng/ul  | 98       |
| 72) Phenanthrene              | 17.697 | 178  | 233641   | 20.877 | ng/ul  | 97       |
| 74) Anthracene                | 17.785 | 178  | 232338   | 20.550 | ng/ul  | 100      |
| 75) 1,2,3,4-Tetrachloroben... | 13.714 | 216  | 78496    | 23.450 | ng/uL  | 95       |
| 76) Pentachlorobenzene        | 15.224 | 250  | 73844    | 23.077 | ng/uL  | 99       |
| 77) Carbazole                 | 18.050 | 167  | 209984   | 20.741 | ng/ul  | 99       |
| 78) Di-n-butylphthalate       | 18.596 | 149  | 249962   | 20.516 | ng/ul  | 99       |
| 80) Fluoranthene              | 19.694 | 202  | 287151   | 22.934 | ng/ul# | 92       |
| 82) Pyrene                    | 20.059 | 202  | 279789   | 22.581 | ng/ul# | 89       |
| 83) Butylbenzylphthalate      | 20.928 | 149  | 96498    | 23.223 | ng/ul  | 98       |
| 84) 3,3'-Dichlorobenzidine    | 21.850 | 252  | 56938    | 13.330 | ng/ul# | 97       |
| 85) Benzo(a)anthracene        | 21.950 | 228  | 255354   | 21.656 | ng/ul  | 98       |
| 86) Bis(2-ethylhexyl)phtha... | 21.833 | 149  | 134751   | 23.151 | ng/ul  | 99       |
| 87) Chrysene                  | 22.027 | 228  | 240834   | 21.141 | ng/ul  | 99       |
| 89) Di-n-octyl phthalate      | 23.143 | 149  | 218966   | 25.581 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 24.353 | 252  | 232428   | 21.835 | ng/ul# | 95       |
| 91) Benzo(k)fluoranthene      | 24.423 | 252  | 219766   | 22.047 | ng/ul# | 95       |
| 93) Benzo(a)pyrene            | 25.304 | 252  | 206926   | 20.598 | ng/ul# | 92       |
| 94) Indeno(1,2,3-cd)pyrene    | 29.487 | 276  | 168278m  | 15.343 | ng/ul  |          |
| 95) Dibenzo(a,h)anthracene    | 29.575 | 278  | 125902m  | 13.441 | ng/ul  |          |
| 96) Benzo(g,h,i)perylene      | 30.756 | 276  | 137921m  | 14.839 | ng/ul  |          |

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

