

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG062124\  
 Data File : BG061623.D  
 Acq On : 21 Jun 2024 16:52  
 Operator : MA/JU  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSTD020528

Quant Time: Jun 21 18:01:26 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG062024.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Jun 21 05:03:55 2024  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Yogesh Patel 06/24/2024  
 Supervised By :mohammad ahmed 06/24/2024

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.079  | 152  | 57961    | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.888 | 136  | 275365   | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.701 | 164  | 192027   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.445 | 188  | 467062   | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.705 | 240  | 402664   | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 24.936 | 264  | 487089   | 20.000 | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.473  | 96   | 12505    | 7.794  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.890  | 84   | 95047    | 19.593 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 7.216  | 99   | 119105   | 18.929 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.398  | 67   | 74820    | 19.075 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.598  | 132  | 82921    | 19.204 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.767  | 113  | 93279    | 19.176 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 9.237  | 128  | 40061    | 21.426 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.960  | 143  | 44029    | 23.251 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.494 | 165  | 85541    | 19.077 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 11.011 | 131  | 127922   | 18.843 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 14.108 | 166  | 287389   | 19.448 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.396 | 160  | 330497   | 20.408 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.866 | 143  | 53500    | 21.081 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.688 | 176  | 260568   | 20.142 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.794 | 200  | 36099    | 18.075 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.545 | 188  | 421493   | 19.770 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.824 | 212  | 462844   | 20.578 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.707 | 264  | 478793   | 20.581 | ng/u1  | -0.01    |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.508  | 88   | 12775    | 6.407  | ng/uL# | 71       |
| 5) Pyridine                   | 3.908  | 79   | 101410   | 19.446 | ng/u1  | 100      |
| 6) Benzaldehyde               | 7.210  | 77   | 70153    | 22.657 | ng/u1  | 96       |
| 8) Phenol                     | 7.239  | 94   | 123932   | 18.717 | ng/u1  | 95       |
| 10) Bis(2-Chloroethyl)ether   | 7.492  | 93   | 92874    | 18.635 | ng/u1# | 93       |
| 12) 2-Chlorophenol            | 7.633  | 128  | 84022    | 19.396 | ng/u1  | 91       |
| 13) 2-Methylphenol            | 8.502  | 108  | 87234    | 18.830 | ng/u1  | 99       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.602  | 45   | 198977   | 19.542 | ng/u1  | 97       |
| 16) Acetophenone              | 8.902  | 105  | 151858   | 18.959 | ng/u1  | 99       |
| 17) N-Nitroso-di-n-propyla... | 8.884  | 70   | 78161    | 18.166 | ng/u1  | 95       |
| 18) 4-Methylphenol            | 8.831  | 108  | 93114    | 17.941 | ng/u1  | 96       |
| 19) Hexachloroethane          | 9.166  | 117  | 36501    | 21.014 | ng/u1# | 85       |
| 22) Nitrobenzene              | 9.278  | 77   | 114163   | 21.195 | ng/u1  | 99       |
| 23) Isophorone                | 9.807  | 82   | 224784   | 18.146 | ng/u1  | 99       |
| 25) 2-Nitrophenol             | 9.995  | 139  | 45019    | 22.735 | ng/u1# | 78       |
| 26) 2,4-Dimethylphenol        | 10.042 | 107  | 107530   | 19.416 | ng/u1  | 94       |
| 27) Bis(2-Chloroethoxy)met... | 10.289 | 93   | 129212   | 18.440 | ng/u1  | 96       |
| 29) 2,4-Dichlorophenol        | 10.524 | 162  | 82338    | 20.042 | ng/u1  | 99       |
| 30) Naphthalene               | 10.941 | 128  | 296436   | 19.240 | ng/u1  | 100      |
| 32) 4-Chloroaniline           | 11.041 | 127  | 127759   | 18.975 | ng/u1  | 95       |
| 33) Hexachlorobutadiene       | 11.217 | 225  | 60403    | 21.285 | ng/u1  | 88       |
| 34) Caprolactam               | 11.787 | 113  | 32159m   | 18.931 | ng/u1  |          |
| 35) 4-Chloro-3-methylphenol   | 12.139 | 107  | 109807   | 19.114 | ng/u1  | 94       |
| 36) 2-Methylnaphthalene       | 12.539 | 142  | 209813   | 19.299 | ng/u1  | 96       |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG062124\  
 Data File : BG061623.D  
 Acq On : 21 Jun 2024 16:52  
 Operator : MA/JU  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSTD020528

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 06/24/2024  
 Supervised By :mohammad ahmed 06/24/2024

Quant Time: Jun 21 18:01:26 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG062024.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Jun 21 05:03:55 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 37) 1-Methylnaphthalene       | 12.756 | 142  | 214969   | 18.532 | ng/ul  | 99       |
| 39) 1,2,4,5-Tetrachloroben... | 12.897 | 216  | 112400   | 20.682 | ng/ul  | 99       |
| 40) Hexachlorocyclopentadiene | 12.880 | 237  | 65011    | 20.105 | ng/ul  | 95       |
| 41) 2,4,6-Trichlorophenol     | 13.132 | 196  | 73065    | 20.838 | ng/ul  | 90       |
| 42) 2,4,5-Trichlorophenol     | 13.197 | 196  | 82514    | 21.591 | ng/ul  | 91       |
| 43) 1,1'-Biphenyl             | 13.538 | 154  | 283976   | 20.415 | ng/ul  | 99       |
| 44) 2-Chloronaphthalene       | 13.579 | 162  | 223152   | 20.885 | ng/ul  | 97       |
| 45) 2-Nitroaniline            | 13.779 | 65   | 82240    | 22.484 | ng/ul  | 94       |
| 47) Dimethylphthalate         | 14.155 | 163  | 277012   | 18.878 | ng/ul  | 97       |
| 48) 2,6-Dinitrotoluene        | 14.272 | 165  | 53805    | 22.096 | ng/ul  | 92       |
| 50) Acenaphthylene            | 14.425 | 152  | 358260   | 19.818 | ng/ul  | 96       |
| 51) 3-Nitroaniline            | 14.595 | 138  | 55760    | 22.361 | ng/ul  | 89       |
| 52) Acenaphthene              | 14.766 | 153  | 246053   | 19.654 | ng/ul  | 95       |
| 53) 2,4-Dinitrophenol         | 14.801 | 184  | 20704    | 16.732 | ng/ul# | 77       |
| 55) 4-Nitrophenol             | 14.877 | 109  | 53452    | 20.395 | ng/ul  | 89       |
| 56) Dibenzofuran              | 15.101 | 168  | 345034   | 19.695 | ng/ul  | 97       |
| 57) 2,4-Dinitrotoluene        | 15.054 | 165  | 77855    | 21.540 | ng/ul  | 93       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.312 | 232  | 76671    | 20.460 | ng/ul  | 91       |
| 59) Diethylphthalate          | 15.518 | 149  | 293452   | 19.417 | ng/ul  | 95       |
| 61) Fluorene                  | 15.747 | 166  | 290465   | 20.034 | ng/ul  | 97       |
| 62) 4-Chlorophenyl-phenyle... | 15.741 | 204  | 143890   | 19.992 | ng/ul  | 97       |
| 63) 4-Nitroaniline            | 15.753 | 138  | 56525    | 21.397 | ng/ul  | 95       |
| 66) 4,6-Dinitro-2-methylph... | 15.806 | 198  | 40517    | 17.910 | ng/ul# | 85       |
| 67) N-Nitrosodiphenylamine    | 15.953 | 169  | 242641   | 20.089 | ng/ul  | 96       |
| 68) 4-Bromophenyl-phenylether | 16.634 | 248  | 98298    | 20.440 | ng/ul  | 94       |
| 69) Hexachlorobenzene         | 16.740 | 284  | 118048   | 20.228 | ng/ul  | 99       |
| 70) Atrazine                  | 16.898 | 200  | 91699    | 19.007 | ng/ul  | 98       |
| 71) Pentachlorophenol         | 17.081 | 266  | 71262    | 20.046 | ng/ul# | 86       |
| 72) Phenanthrene              | 17.486 | 178  | 475016   | 19.332 | ng/ul  | 99       |
| 74) Anthracene                | 17.574 | 178  | 485137   | 19.307 | ng/ul  | 96       |
| 75) 1,2,3,4-Tetrachloroben... | 13.497 | 216  | 114799   | 22.061 | ng/uL  | 95       |
| 76) Pentachlorobenzene        | 15.012 | 250  | 128222   | 20.519 | ng/uL  | 95       |
| 77) Carbazole                 | 17.844 | 167  | 432461   | 20.270 | ng/ul  | 98       |
| 78) Di-n-butylphthalate       | 18.408 | 149  | 503431   | 19.729 | ng/ul  | 97       |
| 80) Fluoranthene              | 19.490 | 202  | 544415   | 20.861 | ng/ul  | 99       |
| 82) Pyrene                    | 19.848 | 202  | 565048   | 20.363 | ng/ul  | 99       |
| 83) Butylbenzylphthalate      | 20.747 | 149  | 228695   | 22.635 | ng/ul  | 98       |
| 84) 3,3'-Dichlorobenzidine    | 21.605 | 252  | 200304   | 23.526 | ng/ul  | 98       |
| 85) Benzo(a)anthracene        | 21.687 | 228  | 581552   | 20.575 | ng/ul  | 99       |
| 86) Bis(2-ethylhexyl)phtha... | 21.616 | 149  | 326753   | 22.002 | ng/ul# | 98       |
| 87) Chrysene                  | 21.752 | 228  | 539034   | 20.155 | ng/ul  | 98       |
| 89) Di-n-octyl phthalate      | 22.844 | 149  | 565489   | 22.011 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 23.908 | 252  | 583861   | 19.940 | ng/ul  | 99       |
| 91) Benzo(k)fluoranthene      | 23.978 | 252  | 603601   | 20.045 | ng/ul  | 99       |
| 93) Benzo(a)pyrene            | 24.777 | 252  | 557185   | 19.766 | ng/ul  | 98       |
| 94) Indeno(1,2,3-cd)pyrene    | 28.602 | 276  | 708795   | 20.178 | ng/ul  | 97       |
| 95) Dibenzo(a,h)anthracene    | 28.679 | 278  | 589596   | 20.185 | ng/ul  | 99       |
| 96) Benzo(g,h,i)perylene      | 29.742 | 276  | 575743   | 20.333 | ng/ul  | 99       |

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

