

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG062022\  
 Data File : BG053949.D  
 Acq On : 20 Jun 2022 15:22  
 Operator : CG/JU  
 Sample : SSTDICV020  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SICV434

Quant Time: Jun 20 23:35:29 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG062022.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Jun 20 15:29:13 2022  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 06/21/2022  
 Supervised By :mohammad ahmed 06/27/2022

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.078  | 152  | 17929    | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.887 | 136  | 71687    | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.700 | 164  | 56188    | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.444 | 188  | 151949   | 20.000 | ng/u1  | # 0.00   |
| 79) Chrysene-d12              | 21.721 | 240  | 181632   | 20.000 | ng/u1  | # 0.00   |
| 88) Perylene-d12              | 24.982 | 264  | 188106   | 20.000 | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.501  | 96   | 3092     | 8.206  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.919  | 84   | 19403    | 18.931 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 7.226  | 99   | 25327    | 19.718 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.397  | 67   | 15888    | 20.506 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.608  | 132  | 21734    | 21.219 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.778  | 113  | 21941    | 20.034 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 9.236  | 128  | 10909    | 20.502 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.964  | 143  | 11843    | 20.948 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.505 | 165  | 25690    | 20.538 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 11.016 | 131  | 31706    | 20.064 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 14.101 | 166  | 91163    | 20.624 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.395 | 160  | 95656    | 19.901 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.882 | 143  | 12603    | 20.823 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.693 | 176  | 80687    | 20.322 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.799 | 200  | 15426    | 18.610 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.544 | 188  | 140873   | 20.529 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.829 | 212  | 190963   | 20.165 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.753 | 264  | 192514   | 20.275 | ng/u1  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.537  | 88   | 3618     | 8.799  | ng/uL# | 89       |
| 5) Pyridine                   | 3.936  | 79   | 21289    | 20.029 | ng/u1  | 99       |
| 6) Benzaldehyde               | 7.215  | 77   | 16015m   | 24.485 | ng/u1  |          |
| 8) Phenol                     | 7.256  | 94   | 27436    | 20.471 | ng/u1  | 94       |
| 10) Bis(2-Chloroethyl)ether   | 7.491  | 93   | 21111    | 20.795 | ng/u1  | 91       |
| 12) 2-Chlorophenol            | 7.644  | 128  | 22205    | 21.233 | ng/u1  | 99       |
| 13) 2-Methylphenol            | 8.513  | 108  | 20939    | 20.127 | ng/u1  | 91       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.607  | 45   | 31451    | 20.857 | ng/u1  | 96       |
| 16) Acetophenone              | 8.901  | 105  | 35422    | 20.913 | ng/u1  | 97       |
| 17) N-Nitroso-di-n-propyla... | 8.883  | 70   | 17844    | 20.667 | ng/u1  | 96       |
| 18) 4-Methylphenol            | 8.836  | 108  | 22670    | 20.369 | ng/u1  | 99       |
| 19) Hexachloroethane          | 9.165  | 117  | 8829     | 19.924 | ng/u1# | 83       |
| 22) Nitrobenzene              | 9.277  | 77   | 26187    | 20.662 | ng/u1  | 98       |
| 23) Isophorone                | 9.800  | 82   | 49321    | 20.071 | ng/u1  | 99       |
| 25) 2-Nitrophenol             | 9.994  | 139  | 12156    | 20.505 | ng/u1  | 92       |
| 26) 2,4-Dimethylphenol        | 10.047 | 107  | 26742    | 20.658 | ng/u1  | 97       |
| 27) Bis(2-Chloroethoxy)met... | 10.288 | 93   | 28711    | 20.754 | ng/u1  | 97       |
| 29) 2,4-Dichlorophenol        | 10.528 | 162  | 25828    | 20.648 | ng/u1# | 95       |
| 30) Naphthalene               | 10.940 | 128  | 71787    | 20.187 | ng/u1  | 99       |
| 32) 4-Chloroaniline           | 11.040 | 127  | 31631    | 20.185 | ng/u1  | 98       |
| 33) Hexachlorobutadiene       | 11.228 | 225  | 24687    | 20.206 | ng/u1  | 99       |
| 34) Caprolactam               | 11.786 | 113  | 7593m    | 20.341 | ng/u1  |          |
| 35) 4-Chloro-3-methylphenol   | 12.156 | 107  | 24418    | 20.299 | ng/u1  | 99       |
| 36) 2-Methylnaphthalene       | 12.538 | 142  | 52782    | 20.064 | ng/u1  | 99       |

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|-------------------------------|--------|------|----------|--------|--------|----------|
| 37) 1-Methylnaphthalene       | 12.755 | 142  | 54031    | 20.595 | ng/ul  | 96       |
| 39) 1,2,4,5-Tetrachloroben... | 12.902 | 216  | 46035    | 20.156 | ng/ul# | 96       |
| 40) Hexachlorocyclopentadiene | 12.890 | 237  | 24916    | 19.452 | ng/ul  | 94       |
| 41) 2,4,6-Trichlorophenol     | 13.137 | 196  | 24403    | 20.587 | ng/ul  | 99       |
| 42) 2,4,5-Trichlorophenol     | 13.208 | 196  | 26715    | 19.936 | ng/ul  | 99       |
| 43) 1,1'-Biphenyl             | 13.537 | 154  | 79346    | 20.375 | ng/ul  | 97       |
| 44) 2-Chloronaphthalene       | 13.578 | 162  | 64059    | 19.808 | ng/ul  | 95       |
| 45) 2-Nitroaniline            | 13.772 | 65   | 16718    | 20.548 | ng/ul  | 99       |
| 47) Dimethylphthalate         | 14.148 | 163  | 85715    | 20.175 | ng/ul  | 99       |
| 48) 2,6-Dinitrotoluene        | 14.265 | 165  | 17559    | 20.550 | ng/ul  | 93       |
| 50) Acenaphthylene            | 14.424 | 152  | 101036   | 20.472 | ng/ul  | 98       |
| 51) 3-Nitroaniline            | 14.594 | 138  | 15050    | 21.698 | ng/ul# | 95       |
| 52) Acenaphthene              | 14.765 | 153  | 66713    | 20.242 | ng/ul  | 97       |
| 53) 2,4-Dinitrophenol         | 14.806 | 184  | 6912     | 17.462 | ng/ul# | 61       |
| 55) 4-Nitrophenol             | 14.894 | 109  | 11652    | 19.639 | ng/ul  | 96       |
| 56) Dibenzofuran              | 15.100 | 168  | 101597   | 20.147 | ng/ul  | 99       |
| 57) 2,4-Dinitrotoluene        | 15.053 | 165  | 26392    | 21.293 | ng/ul  | 97       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.323 | 232  | 24451    | 20.998 | ng/ul  | 95       |
| 59) Diethylphthalate          | 15.511 | 149  | 86062    | 20.660 | ng/ul  | 96       |
| 61) Fluorene                  | 15.746 | 166  | 84053    | 20.466 | ng/ul  | 99       |
| 62) 4-Chlorophenyl-phenyle... | 15.740 | 204  | 52646    | 20.160 | ng/ul  | 92       |
| 63) 4-Nitroaniline            | 15.752 | 138  | 15354m   | 23.021 | ng/ul  |          |
| 66) 4,6-Dinitro-2-methylph... | 15.816 | 198  | 15212    | 19.118 | ng/ul# | 98       |
| 67) N-Nitrosodiphenylamine    | 15.946 | 169  | 75521    | 20.330 | ng/ul  | 99       |
| 68) 4-Bromophenyl-phenylether | 16.633 | 248  | 38414    | 20.353 | ng/ul  | 93       |
| 69) Hexachlorobenzene         | 16.756 | 284  | 45694    | 20.656 | ng/ul# | 89       |
| 70) Atrazine                  | 16.892 | 200  | 38808    | 21.269 | ng/ul  | 96       |
| 71) Pentachlorophenol         | 17.097 | 266  | 18308m   | 19.526 | ng/ul  |          |
| 72) Phenanthrene              | 17.485 | 178  | 152936   | 20.316 | ng/ul  | 99       |
| 74) Anthracene                | 17.579 | 178  | 158031   | 20.830 | ng/ul  | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 13.507 | 216  | 48688    | 18.813 | ng/ul  | 97       |
| 76) Pentachlorobenzene        | 15.023 | 250  | 48597    | 20.416 | ng/ul  | 98       |
| 77) Carbazole                 | 17.843 | 167  | 130862   | 20.921 | ng/ul  | 98       |
| 78) Di-n-butylphthalate       | 18.402 | 149  | 151680   | 21.299 | ng/ul  | 99       |
| 80) Fluoranthene              | 19.494 | 202  | 212957   | 20.143 | ng/ul# | 93       |
| 82) Pyrene                    | 19.859 | 202  | 213338   | 20.297 | ng/ul# | 94       |
| 83) Butylbenzylphthalate      | 20.740 | 149  | 66022    | 20.843 | ng/ul  | 91       |
| 84) 3,3'-Dichlorobenzidine    | 21.610 | 252  | 81048    | 21.562 | ng/ul  | 93       |
| 85) Benzo(a)anthracene        | 21.704 | 228  | 227462   | 20.317 | ng/ul  | 100      |
| 86) Bis(2-ethylhexyl)phtha... | 21.610 | 149  | 95410    | 20.613 | ng/ul  | 96       |
| 87) Chrysene                  | 21.768 | 228  | 222043   | 20.673 | ng/ul  | 99       |
| 89) Di-n-octyl phthalate      | 22.838 | 149  | 162723   | 20.142 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 23.942 | 252  | 236476   | 20.359 | ng/ul# | 98       |
| 91) Benzo(k)fluoranthene      | 24.013 | 252  | 225638   | 20.288 | ng/ul# | 97       |
| 93) Benzo(a)pyrene            | 24.823 | 252  | 231679   | 20.706 | ng/ul# | 97       |
| 94) Indeno(1,2,3-cd)pyrene    | 28.695 | 276  | 274982   | 20.428 | ng/ul# | 94       |
| 95) Dibenzo(a,h)anthracene    | 28.766 | 278  | 231128   | 20.402 | ng/ul# | 96       |
| 96) Benzo(g,h,i)perylene      | 29.865 | 276  | 231952m  | 20.408 | ng/ul  |          |

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

