

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG091824\  
 Data File : BG062924.D  
 Acq On : 19 Sep 2024 1:41  
 Operator : JU/RC  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSTD020498

Quant Time: Sep 19 03:27:09 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG091724.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Sep 18 00:45:18 2024  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 09/19/2024  
 Supervised By :mohammad ahmed 09/22/2024

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.859  | 152  | 45069    | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.644 | 136  | 179219   | 20.000 | ng/u1  | # 0.00   |
| 38) Acenaphthene-d10          | 14.492 | 164  | 139704   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.242 | 188  | 331643   | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.496 | 240  | 358293   | 20.000 | ng/u1  | # 0.01   |
| 88) Perylene-d12              | 24.539 | 264  | 409265   | 20.000 | ng/u1  | 0.02     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.335  | 96   | 9630m    | 6.258  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.734  | 84   | 73012    | 17.478 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 7.024  | 99   | 83928    | 17.946 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.189  | 67   | 46872    | 17.910 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.395  | 132  | 56470    | 18.392 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.564  | 113  | 61735    | 18.020 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 9.004  | 128  | 28109    | 19.687 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.727  | 143  | 32421    | 20.015 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.268 | 165  | 65689    | 19.546 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.779 | 131  | 77900    | 18.626 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.893 | 166  | 197288   | 18.990 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.181 | 160  | 222163   | 19.147 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.698 | 143  | 30514    | 18.329 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.485 | 176  | 187762   | 19.410 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.603 | 200  | 37733    | 18.822 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.336 | 188  | 298965   | 19.074 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.633 | 212  | 394425   | 18.176 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.328 | 264  | 413455   | 19.156 | ng/u1  | 0.02     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.364  | 88   | 10980    | 7.211  | ng/uL# | 91       |
| 5) Pyridine                   | 3.758  | 79   | 73272    | 17.614 | ng/u1  | 93       |
| 6) Benzaldehyde               | 7.001  | 77   | 54709    | 21.375 | ng/u1  | 87       |
| 8) Phenol                     | 7.054  | 94   | 86193    | 17.668 | ng/u1# | 87       |
| 10) Bis(2-Chloroethyl)ether   | 7.277  | 93   | 61544    | 18.658 | ng/u1  | 85       |
| 12) 2-Chlorophenol            | 7.424  | 128  | 60133    | 19.080 | ng/u1  | 93       |
| 13) 2-Methylphenol            | 8.299  | 108  | 63369    | 18.779 | ng/u1  | 99       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.370  | 45   | 71047    | 17.360 | ng/u1# | 95       |
| 16) Acetophenone              | 8.670  | 105  | 104299   | 19.355 | ng/u1# | 95       |
| 17) N-Nitroso-di-n-propyla... | 8.658  | 70   | 56169    | 17.850 | ng/u1# | 95       |
| 18) 4-Methylphenol            | 8.628  | 108  | 67375    | 18.243 | ng/u1  | 91       |
| 19) Hexachloroethane          | 8.928  | 117  | 26154    | 19.534 | ng/u1  | 89       |
| 22) Nitrobenzene              | 9.051  | 77   | 86561    | 20.421 | ng/u1# | 95       |
| 23) Isophorone                | 9.569  | 82   | 165062   | 19.554 | ng/u1# | 92       |
| 25) 2-Nitrophenol             | 9.757  | 139  | 35397    | 19.901 | ng/u1# | 80       |
| 26) 2,4-Dimethylphenol        | 9.821  | 107  | 80219    | 20.129 | ng/u1  | 95       |
| 27) Bis(2-Chloroethoxy)met... | 10.056 | 93   | 88619    | 19.747 | ng/u1  | 99       |
| 29) 2,4-Dichlorophenol        | 10.297 | 162  | 65966    | 19.828 | ng/u1  | 94       |
| 30) Naphthalene               | 10.697 | 128  | 190510   | 19.145 | ng/u1# | 92       |
| 32) 4-Chloroaniline           | 10.802 | 127  | 79624    | 19.554 | ng/u1  | 95       |
| 33) Hexachlorobutadiene       | 10.984 | 225  | 58113    | 21.854 | ng/u1  | 92       |
| 34) Caprolactam               | 11.554 | 113  | 21428m   | 19.347 | ng/u1  |          |
| 35) 4-Chloro-3-methylphenol   | 11.930 | 107  | 76377    | 19.975 | ng/u1  | 89       |
| 36) 2-Methylnaphthalene       | 12.306 | 142  | 137617   | 19.191 | ng/u1  | 95       |

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| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 37) 1-Methylnaphthalene       | 12.530 | 142  | 136913   | 18.866 | ng/ul  | 100      |
| 39) 1,2,4,5-Tetrachloroben... | 12.677 | 216  | 99751    | 20.147 | ng/ul  | 98       |
| 40) Hexachlorocyclopentadiene | 12.659 | 237  | 53512    | 20.373 | ng/ul  | 96       |
| 41) 2,4,6-Trichlorophenol     | 12.918 | 196  | 60985    | 19.767 | ng/ul  | 91       |
| 42) 2,4,5-Trichlorophenol     | 12.988 | 196  | 63217    | 19.504 | ng/ul  | 94       |
| 43) 1,1'-Biphenyl             | 13.323 | 154  | 197284   | 19.010 | ng/ul  | 96       |
| 44) 2-Chloronaphthalene       | 13.364 | 162  | 157149   | 18.842 | ng/ul  | 97       |
| 45) 2-Nitroaniline            | 13.564 | 65   | 57627    | 20.437 | ng/ul  | 98       |
| 47) Dimethylphthalate         | 13.940 | 163  | 198470   | 18.672 | ng/ul# | 99       |
| 48) 2,6-Dinitrotoluene        | 14.063 | 165  | 38343    | 18.905 | ng/ul  | 87       |
| 50) Acenaphthylene            | 14.210 | 152  | 226553   | 18.546 | ng/ul  | 95       |
| 51) 3-Nitroaniline            | 14.392 | 138  | 34537    | 18.988 | ng/ul# | 79       |
| 52) Acenaphthene              | 14.551 | 153  | 167396   | 18.866 | ng/ul  | 99       |
| 53) 2,4-Dinitrophenol         | 14.604 | 184  | 25270    | 20.861 | ng/ul  | 97       |
| 55) 4-Nitrophenol             | 14.710 | 109  | 41459    | 22.053 | ng/ul# | 84       |
| 56) Dibenzofuran              | 14.892 | 168  | 249740   | 18.979 | ng/ul  | 98       |
| 57) 2,4-Dinitrotoluene        | 14.851 | 165  | 62236    | 20.360 | ng/ul# | 85       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.115 | 232  | 56071    | 19.224 | ng/ul# | 95       |
| 59) Diethylphthalate          | 15.309 | 149  | 203295   | 17.190 | ng/ul  | 100      |
| 61) Fluorene                  | 15.538 | 166  | 188823   | 18.755 | ng/ul  | 93       |
| 62) 4-Chlorophenyl-phenyle... | 15.532 | 204  | 112128   | 20.183 | ng/ul  | 98       |
| 63) 4-Nitroaniline            | 15.556 | 138  | 35790    | 19.607 | ng/ul# | 79       |
| 66) 4,6-Dinitro-2-methylph... | 15.620 | 198  | 43480    | 20.274 | ng/ul# | 94       |
| 67) N-Nitrosodiphenylamine    | 15.749 | 169  | 178712   | 19.188 | ng/ul  | 98       |
| 68) 4-Bromophenyl-phenylether | 16.431 | 248  | 75772    | 20.551 | ng/ul  | 96       |
| 69) Hexachlorobenzene         | 16.549 | 284  | 90569    | 21.275 | ng/ul  | 92       |
| 70) Atrazine                  | 16.695 | 200  | 79907    | 20.685 | ng/ul  | 98       |
| 71) Pentachlorophenol         | 16.889 | 266  | 46281    | 19.065 | ng/ul  | 91       |
| 72) Phenanthrene              | 17.283 | 178  | 340657   | 19.335 | ng/ul  | 98       |
| 74) Anthracene                | 17.371 | 178  | 346798   | 19.063 | ng/ul  | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 13.288 | 216  | 102305   | 20.229 | ng/ul  | 99       |
| 76) Pentachlorobenzene        | 14.809 | 250  | 109763   | 20.564 | ng/ul  | 98       |
| 77) Carbazole                 | 17.641 | 167  | 286191   | 19.760 | ng/ul  | 99       |
| 78) Di-n-butylphthalate       | 18.205 | 149  | 347369   | 18.647 | ng/ul  | 99       |
| 80) Fluoranthene              | 19.298 | 202  | 435448   | 18.387 | ng/ul# | 95       |
| 82) Pyrene                    | 19.663 | 202  | 459726   | 18.209 | ng/ul# | 95       |
| 83) Butylbenzylphthalate      | 20.561 | 149  | 150893   | 17.196 | ng/ul  | 98       |
| 84) 3,3'-Dichlorobenzidine    | 21.396 | 252  | 162249   | 20.190 | ng/ul# | 99       |
| 85) Benzo(a)anthracene        | 21.472 | 228  | 470065   | 18.519 | ng/ul  | 97       |
| 86) Bis(2-ethylhexyl)phtha... | 21.396 | 149  | 219255   | 17.295 | ng/ul# | 99       |
| 87) Chrysene                  | 21.537 | 228  | 439812   | 18.519 | ng/ul  | 98       |
| 89) Di-n-octyl phthalate      | 22.542 | 149  | 382199   | 17.633 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 23.576 | 252  | 491205   | 19.714 | ng/ul# | 95       |
| 91) Benzo(k)fluoranthene      | 23.634 | 252  | 466637   | 18.798 | ng/ul# | 98       |
| 93) Benzo(a)pyrene            | 24.392 | 252  | 444855   | 18.992 | ng/ul  | 96       |
| 94) Indeno(1,2,3-cd)pyrene    | 27.959 | 276  | 556775   | 19.399 | ng/ul# | 91       |
| 95) Dibenzo(a,h)anthracene    | 28.017 | 278  | 452069   | 19.703 | ng/ul# | 95       |
| 96) Benzo(g,h,i)perylene      | 29.034 | 276  | 427306m  | 19.390 | ng/ul  |          |

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

