

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG031224\  
 Data File : BG060619.D  
 Acq On : 12 Mar 2024 14:38  
 Operator : MA/JU  
 Sample : SSTDCCC020EC  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

## Instrument :

BNA\_G

## ClientSampleId :

SSTD020490

## Manual Integrations

## APPROVED

Reviewed By :Jagrut Upadhyay 03/13/2024  
 Supervised By :mohammad ahmed 03/14/2024

Quant Time: Mar 12 16:22:55 2024

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG030824.MA.M

Quant Title : SVOA CALIBRATION

QLast Update : Fri Mar 08 15:23:41 2024

Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.325  | 152  | 118978   | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 11.174 | 136  | 574985   | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.952 | 164  | 389094   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.702 | 188  | 822619   | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 22.026 | 240  | 737348   | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 25.581 | 264  | 830221   | 20.000 | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.613  | 96   | 22824    | 7.242  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 4.047  | 84   | 175290   | 17.775 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 7.432  | 99   | 227667   | 18.569 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.643  | 67   | 147337   | 18.537 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.837  | 132  | 165578   | 19.316 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 9.006  | 113  | 186884   | 19.631 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 9.523  | 128  | 80297    | 21.901 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 10.246 | 143  | 78777    | 21.796 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.763 | 165  | 181952   | 19.555 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 11.309 | 131  | 267534   | 18.497 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 14.347 | 166  | 585442   | 18.979 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.653 | 160  | 689253   | 19.083 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 15.117 | 143  | 92428    | 19.881 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.939 | 176  | 510103   | 18.818 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 16.045 | 200  | 63497    | 19.017 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.802 | 188  | 780954   | 19.317 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 20.070 | 212  | 861339   | 19.389 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 25.334 | 264  | 830935   | 19.343 | ng/u1  | 0.01     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.648  | 88   | 24162    | 7.230  | ng/uL# | 80       |
| 5) Pyridine                   | 4.071  | 79   | 175864   | 17.582 | ng/u1  | 96       |
| 6) Benzaldehyde               | 7.467  | 77   | 135023   | 23.239 | ng/u1  | 96       |
| 8) Phenol                     | 7.461  | 94   | 228795   | 18.443 | ng/u1  | 97       |
| 10) Bis(2-Chloroethyl)ether   | 7.737  | 93   | 182364   | 18.510 | ng/u1  | 98       |
| 12) 2-Chlorophenol            | 7.872  | 128  | 174134   | 19.403 | ng/u1  | 94       |
| 13) 2-Methylphenol            | 8.742  | 108  | 186713   | 19.319 | ng/u1  | 96       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.830  | 45   | 378501   | 18.996 | ng/u1# | 98       |
| 16) Acetophenone              | 9.171  | 105  | 312077   | 19.212 | ng/u1  | 99       |
| 17) N-Nitroso-di-n-propyla... | 9.135  | 70   | 157826   | 19.814 | ng/u1  | 98       |
| 18) 4-Methylphenol            | 9.071  | 108  | 201489   | 19.144 | ng/u1  | 96       |
| 19) Hexachloroethane          | 9.412  | 117  | 67828    | 19.292 | ng/u1  | 92       |
| 22) Nitrobenzene              | 9.564  | 77   | 218492   | 21.331 | ng/u1  | 97       |
| 23) Isophorone                | 10.076 | 82   | 479792   | 19.716 | ng/u1  | 99       |
| 25) 2-Nitrophenol             | 10.275 | 139  | 89735    | 21.560 | ng/u1  | 98       |
| 26) 2,4-Dimethylphenol        | 10.293 | 107  | 215045   | 19.025 | ng/u1  | 96       |
| 27) Bis(2-Chloroethoxy)met... | 10.557 | 93   | 275137   | 19.443 | ng/u1  | 99       |
| 29) 2,4-Dichlorophenol        | 10.792 | 162  | 180035   | 19.370 | ng/u1  | 96       |
| 30) Naphthalene               | 11.221 | 128  | 655864   | 19.294 | ng/u1  | 99       |
| 32) 4-Chloroaniline           | 11.339 | 127  | 263844   | 18.691 | ng/u1  | 98       |
| 33) Hexachlorobutadiene       | 11.450 | 225  | 132470   | 19.264 | ng/u1  | 97       |
| 34) Caprolactam               | 12.108 | 113  | 62079    | 19.508 | ng/u1  | 89       |
| 35) 4-Chloro-3-methylphenol   | 12.402 | 107  | 218377   | 19.580 | ng/u1  | 99       |
| 36) 2-Methylnaphthalene       | 12.802 | 142  | 431079   | 19.301 | ng/u1  | 98       |

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| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 37) 1-Methylnaphthalene       | 13.019 | 142  | 426497   | 19.064 | ng/ul# | 96       |
| 39) 1,2,4,5-Tetrachloroben... | 13.143 | 216  | 239535   | 18.704 | ng/ul  | 97       |
| 40) Hexachlorocyclopentadiene | 13.096 | 237  | 153886   | 19.730 | ng/ul  | 98       |
| 41) 2,4,6-Trichlorophenol     | 13.383 | 196  | 153922   | 19.304 | ng/ul  | 98       |
| 42) 2,4,5-Trichlorophenol     | 13.448 | 196  | 163841   | 19.263 | ng/ul  | 99       |
| 43) 1,1'-Biphenyl             | 13.789 | 154  | 596175   | 19.084 | ng/ul  | 98       |
| 44) 2-Chloronaphthalene       | 13.842 | 162  | 467354   | 18.850 | ng/ul  | 94       |
| 45) 2-Nitroaniline            | 14.053 | 65   | 145795   | 21.527 | ng/ul  | 96       |
| 47) Dimethylphthalate         | 14.394 | 163  | 588959   | 18.759 | ng/ul  | 99       |
| 48) 2,6-Dinitrotoluene        | 14.535 | 165  | 100494   | 22.275 | ng/ul  | 95       |
| 50) Acenaphthylene            | 14.682 | 152  | 778577   | 18.859 | ng/ul  | 99       |
| 51) 3-Nitroaniline            | 14.870 | 138  | 107054   | 20.140 | ng/ul# | 89       |
| 52) Acenaphthene              | 15.017 | 153  | 521932   | 19.046 | ng/ul  | 99       |
| 53) 2,4-Dinitrophenol         | 15.064 | 184  | 44104    | 19.222 | ng/ul  | 92       |
| 55) 4-Nitrophenol             | 15.128 | 109  | 82328    | 18.334 | ng/ul  | 98       |
| 56) Dibenzofuran              | 15.352 | 168  | 686798   | 18.671 | ng/ul  | 99       |
| 57) 2,4-Dinitrotoluene        | 15.311 | 165  | 137598   | 22.447 | ng/ul# | 96       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.551 | 232  | 140641   | 19.411 | ng/ul  | 97       |
| 59) Diethylphthalate          | 15.740 | 149  | 600837   | 18.763 | ng/ul  | 97       |
| 61) Fluorene                  | 15.998 | 166  | 574751   | 18.861 | ng/ul# | 96       |
| 62) 4-Chlorophenyl-phenyle... | 15.980 | 204  | 290263   | 19.020 | ng/ul  | 96       |
| 63) 4-Nitroaniline            | 16.033 | 138  | 107155m  | 20.239 | ng/ul  |          |
| 66) 4,6-Dinitro-2-methylph... | 16.057 | 198  | 73814    | 20.018 | ng/ul# | 98       |
| 67) N-Nitrosodiphenylamine    | 16.198 | 169  | 506801   | 19.284 | ng/ul  | 95       |
| 68) 4-Bromophenyl-phenylether | 16.879 | 248  | 178802   | 18.907 | ng/ul  | 98       |
| 69) Hexachlorobenzene         | 16.967 | 284  | 214840   | 19.004 | ng/ul  | 96       |
| 70) Atrazine                  | 17.132 | 200  | 176628   | 19.835 | ng/ul  | 97       |
| 71) Pentachlorophenol         | 17.314 | 266  | 113136   | 18.162 | ng/ul  | 96       |
| 72) Phenanthrene              | 17.743 | 178  | 904814   | 19.167 | ng/ul  | 99       |
| 74) Anthracene                | 17.837 | 178  | 930020   | 19.346 | ng/ul  | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 13.748 | 216  | 238383   | 19.400 | ng/uL  | 98       |
| 76) Pentachlorobenzene        | 15.240 | 250  | 235351   | 18.605 | ng/uL  | 100      |
| 77) Carbazole                 | 18.107 | 167  | 802194   | 19.457 | ng/ul  | 98       |
| 78) Di-n-butylphthalate       | 18.618 | 149  | 994050   | 19.738 | ng/ul  | 99       |
| 80) Fluoranthene              | 19.735 | 202  | 1028590  | 19.511 | ng/ul  | 98       |
| 82) Pyrene                    | 20.099 | 202  | 1060213  | 19.202 | ng/ul  | 98       |
| 83) Butylbenzylphthalate      | 20.963 | 149  | 399641   | 19.679 | ng/ul  | 97       |
| 84) 3,3'-Dichlorobenzidine    | 21.909 | 252  | 330120   | 19.577 | ng/ul  | 97       |
| 85) Benzo(a)anthracene        | 22.003 | 228  | 1044893  | 19.081 | ng/ul  | 99       |
| 86) Bis(2-ethylhexyl)phtha... | 21.844 | 149  | 590730   | 19.578 | ng/ul  | 97       |
| 87) Chrysene                  | 22.073 | 228  | 975243   | 18.707 | ng/ul  | 99       |
| 89) Di-n-octyl phthalate      | 23.178 | 149  | 984032   | 19.063 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 24.423 | 252  | 955487   | 18.934 | ng/ul  | 98       |
| 91) Benzo(k)fluoranthene      | 24.506 | 252  | 1022665  | 19.412 | ng/ul  | 100      |
| 93) Benzo(a)pyrene            | 25.411 | 252  | 933431   | 19.069 | ng/ul  | 99       |
| 94) Indeno(1,2,3-cd)pyrene    | 29.705 | 276  | 1156007m | 19.120 | ng/ul  |          |
| 95) Dibenzo(a,h)anthracene    | 29.805 | 278  | 931696   | 18.859 | ng/ul  | 99       |
| 96) Benzo(g,h,i)perylene      | 31.016 | 276  | 920772   | 18.968 | ng/ul  | 99       |

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

