

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG010423\  
 Data File : BG056206.D  
 Acq On : 4 Jan 2023 19:10  
 Operator : CG/JU  
 Sample : SSTDICV020  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :

BNA\_G

ClientSampleId :

SICV406

Manual Integrations

APPROVED

Reviewed By :Jagrut

Upadhyay

Quant Time: Jan 05 01:04:31 2023

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG010423.M

Quant Title : SVOA CALIBRATION

QLast Update : Thu Jan 05 01:03:13 2023

Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.336  | 152  | 48258    | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 11.168 | 136  | 193345   | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.945 | 164  | 164543   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.678 | 188  | 436323   | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.978 | 240  | 409184   | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 25.439 | 264  | 442094   | 20.000 | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.635  | 96   | 8924m    | 8.375  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 4.070  | 84   | 67103    | 19.715 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 7.466  | 99   | 81376    | 19.114 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.642  | 67   | 33680    | 19.292 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.860  | 132  | 55912    | 19.627 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 9.029  | 113  | 65036    | 19.171 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 9.511  | 128  | 28758    | 18.836 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 10.233 | 143  | 38950    | 19.508 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.774 | 165  | 77949    | 19.585 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 11.291 | 131  | 87856    | 19.615 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 14.334 | 166  | 255508   | 19.570 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.640 | 160  | 278347   | 19.408 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 15.110 | 143  | 40801    | 19.797 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.927 | 176  | 247365   | 20.284 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 16.032 | 200  | 59171    | 19.301 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.777 | 188  | 403844   | 20.138 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 20.045 | 212  | 477417   | 19.942 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 25.198 | 264  | 450006   | 19.849 | ng/u1  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.676  | 88   | 10074    | 8.481  | ng/uL# | 91       |
| 5) Pyridine                   | 4.088  | 79   | 64826    | 19.456 | ng/u1# | 95       |
| 6) Benzaldehyde               | 7.460  | 77   | 33334    | 22.317 | ng/u1  | 98       |
| 8) Phenol                     | 7.489  | 94   | 84613    | 20.125 | ng/u1  | 96       |
| 10) Bis(2-Chloroethyl)ether   | 7.736  | 93   | 59021    | 20.276 | ng/u1  | 98       |
| 12) 2-Chlorophenol            | 7.889  | 128  | 58485    | 20.880 | ng/u1  | 98       |
| 13) 2-Methylphenol            | 8.764  | 108  | 64246    | 19.890 | ng/u1  | 97       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.853  | 45   | 10927    | 20.653 | ng/u1# | 77       |
| 16) Acetophenone              | 9.158  | 105  | 101657   | 19.477 | ng/u1  | 92       |
| 17) N-Nitroso-di-n-propyla... | 9.135  | 70   | 46678    | 20.189 | ng/u1  | 97       |
| 18) 4-Methylphenol            | 9.094  | 108  | 72195    | 20.579 | ng/u1  | 93       |
| 19) Hexachloroethane          | 9.434  | 117  | 22373    | 20.522 | ng/u1  | 87       |
| 22) Nitrobenzene              | 9.552  | 77   | 68223    | 19.678 | ng/u1  | 98       |
| 23) Isophorone                | 10.069 | 82   | 146374   | 20.029 | ng/u1  | 97       |
| 25) 2-Nitrophenol             | 10.269 | 139  | 39811    | 20.663 | ng/u1  | 97       |
| 26) 2,4-Dimethylphenol        | 10.310 | 107  | 81404    | 20.629 | ng/u1  | 98       |
| 27) Bis(2-Chloroethoxy)met... | 10.545 | 93   | 81322    | 19.865 | ng/u1  | 100      |
| 29) 2,4-Dichlorophenol        | 10.803 | 162  | 75679    | 20.167 | ng/u1  | 97       |
| 30) Naphthalene               | 11.220 | 128  | 203431   | 20.102 | ng/u1  | 99       |
| 32) 4-Chloroaniline           | 11.320 | 127  | 90882    | 19.861 | ng/u1  | 95       |
| 33) Hexachlorobutadiene       | 11.497 | 225  | 67591    | 20.998 | ng/u1  | 91       |
| 34) Caprolactam               | 12.061 | 113  | 24640m   | 20.922 | ng/u1  |          |
| 35) 4-Chloro-3-methylphenol   | 12.407 | 107  | 74215    | 20.159 | ng/u1  | 96       |
| 36) 2-Methylnaphthalene       | 12.795 | 142  | 159770   | 20.669 | ng/u1  | 100      |

01/05/2023

Supervised By :mohammad

Ahmed

01/05/2023

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| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 37) 1-Methylnaphthalene       | 13.012 | 142  | 159077   | 20.011 | ng/u1  | 94       |
| 39) 1,2,4,5-Tetrachloroben... | 13.159 | 216  | 130896   | 20.550 | ng/u1  | 98       |
| 40) Hexachlorocyclopentadiene | 13.136 | 237  | 75754    | 17.495 | ng/u1# | 90       |
| 41) 2,4,6-Trichlorophenol     | 13.383 | 196  | 83214    | 20.576 | ng/u1  | 97       |
| 42) 2,4,5-Trichlorophenol     | 13.459 | 196  | 88041    | 20.015 | ng/u1  | 99       |
| 43) 1,1'-Biphenyl             | 13.782 | 154  | 235572   | 19.891 | ng/u1  | 98       |
| 44) 2-Chloronaphthalene       | 13.835 | 162  | 196512   | 20.231 | ng/u1  | 100      |
| 45) 2-Nitroaniline            | 14.023 | 65   | 39084    | 21.085 | ng/u1  | 92       |
| 47) Dimethylphthalate         | 14.381 | 163  | 263489   | 20.420 | ng/u1  | 99       |
| 48) 2,6-Dinitrotoluene        | 14.505 | 165  | 55097    | 20.336 | ng/u1  | 97       |
| 50) Acenaphthylene            | 14.675 | 152  | 289775   | 19.948 | ng/u1  | 100      |
| 51) 3-Nitroaniline            | 14.834 | 138  | 43458    | 21.180 | ng/u1  | 94       |
| 52) Acenaphthene              | 15.010 | 153  | 206382   | 20.531 | ng/u1  | 98       |
| 53) 2,4-Dinitrophenol         | 15.039 | 184  | 41001    | 21.162 | ng/u1# | 93       |
| 55) 4-Nitrophenol             | 15.128 | 109  | 39542    | 20.511 | ng/u1  | 96       |
| 56) Dibenzofuran              | 15.339 | 168  | 315221   | 20.285 | ng/u1  | 99       |
| 57) 2,4-Dinitrotoluene        | 15.286 | 165  | 80747    | 20.915 | ng/u1  | 93       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.557 | 232  | 87913    | 20.643 | ng/u1  | 98       |
| 59) Diethylphthalate          | 15.733 | 149  | 251143   | 20.933 | ng/u1  | 98       |
| 61) Fluorene                  | 15.985 | 166  | 258334   | 20.642 | ng/u1  | 100      |
| 62) 4-Chlorophenyl-phenyle... | 15.968 | 204  | 161557   | 20.645 | ng/u1  | 95       |
| 63) 4-Nitroaniline            | 15.991 | 138  | 41909    | 22.325 | ng/u1  | 98       |
| 66) 4,6-Dinitro-2-methylph... | 16.050 | 198  | 57884    | 19.782 | ng/u1  | 98       |
| 67) N-Nitrosodiphenylamine    | 16.179 | 169  | 242065   | 20.790 | ng/u1  | 98       |
| 68) 4-Bromophenyl-phenylether | 16.861 | 248  | 114189   | 20.403 | ng/u1  | 98       |
| 69) Hexachlorobenzene         | 16.984 | 284  | 111857   | 20.184 | ng/u1  | 98       |
| 70) Atrazine                  | 17.108 | 200  | 104097   | 19.614 | ng/u1  | 99       |
| 71) Pentachlorophenol         | 17.325 | 266  | 69911    | 19.778 | ng/u1  | 91       |
| 72) Phenanthrene              | 17.725 | 178  | 461137   | 20.729 | ng/u1  | 100      |
| 74) Anthracene                | 17.813 | 178  | 467792   | 20.712 | ng/u1  | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 13.759 | 216  | 132944   | 20.216 | ng/uL  | 99       |
| 76) Pentachlorobenzene        | 15.257 | 250  | 147242   | 21.883 | ng/uL  | 95       |
| 77) Carbazole                 | 18.077 | 167  | 389781   | 21.024 | ng/u1  | 99       |
| 78) Di-n-butylphthalate       | 18.606 | 149  | 413810   | 21.152 | ng/u1  | 100      |
| 80) Fluoranthene              | 19.710 | 202  | 590763   | 20.866 | ng/u1  | 99       |
| 82) Pyrene                    | 20.075 | 202  | 588790   | 20.794 | ng/u1  | 99       |
| 83) Butylbenzylphthalate      | 20.933 | 149  | 169785   | 20.444 | ng/u1  | 96       |
| 84) 3,3'-Dichlorobenzidine    | 21.855 | 252  | 207403   | 21.437 | ng/u1  | 99       |
| 85) Benzo(a)anthracene        | 21.955 | 228  | 578461   | 20.502 | ng/u1  | 99       |
| 86) Bis(2-ethylhexyl)phtha... | 21.820 | 149  | 244113   | 20.329 | ng/u1  | 96       |
| 87) Chrysene                  | 22.025 | 228  | 543283   | 20.706 | ng/u1  | 99       |
| 89) Di-n-octyl phthalate      | 23.112 | 149  | 410452   | 20.222 | ng/u1  | 100      |
| 90) Benzo(b)fluoranthene      | 24.329 | 252  | 597548   | 20.245 | ng/u1  | 100      |
| 91) Benzo(k)fluoranthene      | 24.399 | 252  | 580610   | 20.103 | ng/u1  | 99       |
| 93) Benzo(a)pyrene            | 25.275 | 252  | 517460   | 20.024 | ng/u1  | 99       |
| 94) Indeno(1,2,3-cd)pyrene    | 29.411 | 276  | 615409   | 18.103 | ng/u1  | 99       |
| 95) Dibenzo(a,h)anthracene    | 29.481 | 278  | 555260   | 19.544 | ng/u1  | 99       |
| 96) Benzo(g,h,i)perylene      | 30.656 | 276  | 534557   | 19.451 | ng/u1  | 99       |

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

