

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG030623\  
 Data File : BG056856.D  
 Acq On : 7 Mar 2023 1:40  
 Operator : CG/JU  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

## Instrument :

BNA\_G

## ClientSampleId :

SSTD020459

## Manual Integrations

## APPROVED

Reviewed By :Christian Giraldo 03/07/2023  
 Supervised By :Jagrut Upadhyay 03/07/2023

Quant Time: Mar 07 04:09:12 2023

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG022323.M

Quant Title : SVOA CALIBRATION

QLast Update : Thu Mar 02 00:12:28 2023

Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.420  | 152  | 20189    | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 11.258 | 136  | 86396    | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 15.024 | 164  | 61664    | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.756 | 188  | 143981   | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 22.063 | 240  | 132202   | 20.000 | ng/u1  | # 0.00   |
| 88) Perylene-d12              | 25.588 | 264  | 143123   | 20.000 | ng/u1  | 0.00     |
|                               |        |      |          |        |        |          |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.696  | 96   | 3390     | 9.314  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 4.137  | 84   | 29741    | 20.245 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 7.544  | 99   | 39722    | 19.661 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.721  | 67   | 25232    | 20.475 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.944  | 132  | 26604    | 19.829 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 9.107  | 113  | 30351    | 19.661 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 9.589  | 128  | 14503    | 20.031 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 10.318 | 143  | 17959    | 20.838 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.858 | 165  | 33434    | 20.592 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 11.375 | 131  | 40209    | 18.987 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 14.407 | 166  | 102464   | 20.595 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.718 | 160  | 119430   | 21.121 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 15.177 | 143  | 15454    | 18.016 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 16.005 | 176  | 91587    | 19.901 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 16.105 | 200  | 17898    | 18.580 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.856 | 188  | 141198   | 20.214 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 20.112 | 212  | 171818   | 19.206 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 25.347 | 264  | 161081   | 20.851 | ng/u1  | 0.00     |
|                               |        |      |          |        |        |          |
| Target Compounds              |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.737  | 88   | 4312m    | 9.609  | ng/uL  |          |
| 5) Pyridine                   | 4.154  | 79   | 32269    | 20.742 | ng/u1  | 98       |
| 6) Benzaldehyde               | 7.539  | 77   | 25269    | 23.874 | ng/u1  | 94       |
| 8) Phenol                     | 7.574  | 94   | 41296    | 20.040 | ng/u1  | 96       |
| 10) Bis(2-Chloroethyl)ether   | 7.815  | 93   | 29123    | 19.890 | ng/u1  | 98       |
| 12) 2-Chlorophenol            | 7.973  | 128  | 26506    | 19.950 | ng/u1  | 91       |
| 13) 2-Methylphenol            | 8.843  | 108  | 29989    | 19.293 | ng/u1  | 100      |
| 14) 2,2'-oxybis(1-Chloropr... | 8.943  | 45   | 40425    | 20.546 | ng/u1  | 98       |
| 16) Acetophenone              | 9.242  | 105  | 51660    | 19.542 | ng/u1  | 97       |
| 17) N-Nitroso-di-n-propyla... | 9.219  | 70   | 28998    | 19.118 | ng/u1  | 95       |
| 18) 4-Methylphenol            | 9.172  | 108  | 32808    | 19.425 | ng/u1  | 97       |
| 19) Hexachloroethane          | 9.524  | 117  | 11840    | 20.956 | ng/u1# | 79       |
| 22) Nitrobenzene              | 9.636  | 77   | 45895    | 21.859 | ng/u1  | 98       |
| 23) Isophorone                | 10.153 | 82   | 80501    | 19.612 | ng/u1  | 99       |
| 25) 2-Nitrophenol             | 10.353 | 139  | 17290    | 20.323 | ng/u1# | 89       |
| 26) 2,4-Dimethylphenol        | 10.394 | 107  | 39012    | 20.533 | ng/u1  | 96       |
| 27) Bis(2-Chloroethoxy)met... | 10.629 | 93   | 41131    | 19.824 | ng/u1  | 97       |
| 29) 2,4-Dichlorophenol        | 10.888 | 162  | 33138    | 21.076 | ng/u1  | 98       |
| 30) Naphthalene               | 11.305 | 128  | 98117    | 20.632 | ng/u1# | 96       |
| 32) 4-Chloroaniline           | 11.405 | 127  | 39726    | 18.937 | ng/u1  | 97       |
| 33) Hexachlorobutadiene       | 11.581 | 225  | 26341    | 21.021 | ng/u1  | 94       |
| 34) Caprolactam               | 12.139 | 113  | 9148     | 17.115 | ng/u1# | 86       |
| 35) 4-Chloro-3-methylphenol   | 12.486 | 107  | 35245    | 19.512 | ng/u1  | 98       |
| 36) 2-Methylnaphthalene       | 12.879 | 142  | 69467    | 20.397 | ng/u1  | 98       |

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 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Mar 02 00:12:28 2023  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Christian Giraldo 03/07/2023  
 Supervised By :Jagrut Upadhyay 03/07/2023

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 37) 1-Methylnaphthalene       | 13.097 | 142  | 66481    | 19.798 | ng/ul  | 98       |
| 39) 1,2,4,5-Tetrachloroben... | 13.238 | 216  | 51297    | 23.463 | ng/ul  | 97       |
| 40) Hexachlorocyclopentadiene | 13.214 | 237  | 23426    | 14.954 | ng/ul  | 96       |
| 41) 2,4,6-Trichlorophenol     | 13.461 | 196  | 31171    | 21.338 | ng/ul  | 98       |
| 42) 2,4,5-Trichlorophenol     | 13.537 | 196  | 34582    | 21.802 | ng/ul  | 97       |
| 43) 1,1'-Biphenyl             | 13.860 | 154  | 97643    | 21.534 | ng/ul  | 98       |
| 44) 2-Chloronaphthalene       | 13.913 | 162  | 81843    | 21.815 | ng/ul  | 96       |
| 45) 2-Nitroaniline            | 14.101 | 65   | 29306    | 22.504 | ng/ul  | 94       |
| 47) Dimethylphthalate         | 14.454 | 163  | 98565    | 19.481 | ng/ul# | 99       |
| 48) 2,6-Dinitrotoluene        | 14.583 | 165  | 20479    | 19.745 | ng/ul# | 86       |
| 50) Acenaphthylene            | 14.748 | 152  | 119743   | 20.962 | ng/ul  | 98       |
| 51) 3-Nitroaniline            | 14.912 | 138  | 18983    | 20.451 | ng/ul# | 96       |
| 52) Acenaphthene              | 15.083 | 153  | 82055    | 20.910 | ng/ul  | 96       |
| 53) 2,4-Dinitrophenol         | 15.112 | 184  | 10611    | 15.970 | ng/ul# | 89       |
| 55) 4-Nitrophenol             | 15.194 | 109  | 18365    | 18.496 | ng/ul  | 91       |
| 56) Dibenzofuran              | 15.412 | 168  | 122656   | 20.590 | ng/ul  | 94       |
| 57) 2,4-Dinitrotoluene        | 15.359 | 165  | 28856    | 19.407 | ng/ul  | 95       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.629 | 232  | 29413    | 19.926 | ng/ul  | 96       |
| 59) Diethylphthalate          | 15.799 | 149  | 97319    | 19.216 | ng/ul  | 99       |
| 61) Fluorene                  | 16.058 | 166  | 93198    | 19.539 | ng/ul  | 97       |
| 62) 4-Chlorophenyl-phenyle... | 16.040 | 204  | 58058    | 20.549 | ng/ul  | 100      |
| 63) 4-Nitroaniline            | 16.064 | 138  | 17774    | 19.598 | ng/ul  | 90       |
| 66) 4,6-Dinitro-2-methylph... | 16.123 | 198  | 16900    | 18.223 | ng/ul# | 95       |
| 67) N-Nitrosodiphenylamine    | 16.246 | 169  | 82234    | 20.539 | ng/ul  | 97       |
| 68) 4-Bromophenyl-phenylether | 16.933 | 248  | 38532    | 21.118 | ng/ul  | 96       |
| 69) Hexachlorobenzene         | 17.057 | 284  | 41413    | 21.126 | ng/ul  | 98       |
| 70) Atrazine                  | 17.180 | 200  | 35113    | 20.192 | ng/ul  | 98       |
| 71) Pentachlorophenol         | 17.398 | 266  | 25254    | 22.688 | ng/ul  | 94       |
| 72) Phenanthrene              | 17.797 | 178  | 157764   | 20.228 | ng/ul  | 98       |
| 74) Anthracene                | 17.891 | 178  | 158977   | 20.171 | ng/ul  | 98       |
| 75) 1,2,3,4-Tetrachloroben... | 13.831 | 216  | 53000    | 24.062 | ng/uL  | 98       |
| 76) Pentachlorobenzene        | 15.335 | 250  | 49964    | 22.365 | ng/uL  | 97       |
| 77) Carbazole                 | 18.150 | 167  | 136248   | 20.661 | ng/ul  | 98       |
| 78) Di-n-butylphthalate       | 18.672 | 149  | 156302   | 20.565 | ng/ul  | 99       |
| 80) Fluoranthene              | 19.783 | 202  | 199766   | 18.468 | ng/ul  | 98       |
| 82) Pyrene                    | 20.141 | 202  | 199667   | 18.737 | ng/ul  | 99       |
| 83) Butylbenzylphthalate      | 20.999 | 149  | 68171    | 20.166 | ng/ul  | 94       |
| 84) 3,3'-Dichlorobenzidine    | 21.939 | 252  | 74342    | 22.429 | ng/ul  | 97       |
| 85) Benzo(a)anthracene        | 22.045 | 228  | 198882   | 20.670 | ng/ul  | 98       |
| 86) Bis(2-ethylhexyl)phtha... | 21.898 | 149  | 98442    | 20.729 | ng/ul  | 97       |
| 87) Chrysene                  | 22.116 | 228  | 184045   | 20.537 | ng/ul  | 99       |
| 89) Di-n-octyl phthalate      | 23.214 | 149  | 163629   | 21.029 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 24.460 | 252  | 200650   | 20.942 | ng/ul  | 99       |
| 91) Benzo(k)fluoranthene      | 24.530 | 252  | 195435   | 20.941 | ng/ul  | 100      |
| 93) Benzo(a)pyrene            | 25.423 | 252  | 173563   | 20.608 | ng/ul  | 99       |
| 94) Indeno(1,2,3-cd)pyrene    | 29.660 | 276  | 227927   | 19.922 | ng/ul  | 96       |
| 95) Dibenzo(a,h)anthracene    | 29.724 | 278  | 188816   | 19.738 | ng/ul# | 94       |
| 96) Benzo(g,h,i)perylene      | 30.929 | 276  | 179682m  | 19.661 | ng/ul  |          |

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

