

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG010423\  
 Data File : BG056203.D  
 Acq On : 4 Jan 2023 17:04  
 Operator : CG/JU  
 Sample : SST04050  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SST040403

Quant Time: Jan 05 00:19:45 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG010423.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Jan 05 00:14:25 2023  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 01/05/2023  
 Supervised By :mohammad ahmed 01/05/2023

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.334  | 152  | 51599    | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 11.166 | 136  | 205643   | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.944 | 164  | 169759   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.682 | 188  | 431689   | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.977 | 240  | 392657   | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 25.438 | 264  | 427753   | 20.000 | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.634  | 96   | 18429    | 14.950 | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 4.069  | 84   | 141767   | 35.274 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 7.465  | 99   | 180273   | 38.515 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.641  | 67   | 75259    | 40.796 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.858  | 132  | 122509   | 44.286 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 9.034  | 113  | 145565   | 41.324 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 9.509  | 128  | 64482    | 43.052 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 10.238 | 143  | 86095    | 43.996 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.779 | 165  | 171705   | 39.485 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 11.296 | 131  | 189661   | 38.560 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 14.339 | 166  | 542540   | 41.294 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.645 | 160  | 601984   | 40.571 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 15.115 | 143  | 85354    | 43.157 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.931 | 176  | 507734   | 39.150 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 16.037 | 200  | 121309   | 43.714 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.782 | 188  | 793051   | 39.754 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 20.044 | 212  | 919959   | 42.423 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 25.203 | 264  | 885203   | 40.714 | ng/u1  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.675  | 88   | 19197m   | 13.922 | ng/uL  |          |
| 5) Pyridine                   | 4.092  | 79   | 139772   | 36.161 | ng/u1  | 96       |
| 6) Benzaldehyde               | 7.459  | 77   | 69470    | 40.429 | ng/u1  | 94       |
| 8) Phenol                     | 7.494  | 94   | 179808   | 38.601 | ng/u1  | 96       |
| 10) Bis(2-Chloroethyl)ether   | 7.735  | 93   | 123175   | 40.172 | ng/u1  | 97       |
| 12) 2-Chlorophenol            | 7.894  | 128  | 122235   | 43.993 | ng/u1  | 97       |
| 13) 2-Methylphenol            | 8.763  | 108  | 138606   | 39.630 | ng/u1  | 99       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.857  | 45   | 23582    | 59.878 | ng/u1# | 81       |
| 16) Acetophenone              | 9.163  | 105  | 221535   | 37.967 | ng/u1  | 93       |
| 17) N-Nitroso-di-n-propyla... | 9.145  | 70   | 98444    | 39.904 | ng/u1  | 99       |
| 18) 4-Methylphenol            | 9.098  | 108  | 149876   | 39.561 | ng/u1  | 99       |
| 19) Hexachloroethane          | 9.439  | 117  | 46786    | 41.879 | ng/u1  | 98       |
| 22) Nitrobenzene              | 9.556  | 77   | 148803   | 40.038 | ng/u1  | 95       |
| 23) Isophorone                | 10.073 | 82   | 310624   | 36.555 | ng/u1  | 98       |
| 25) 2-Nitrophenol             | 10.267 | 139  | 83982    | 44.458 | ng/u1  | 99       |
| 26) 2,4-Dimethylphenol        | 10.314 | 107  | 169224   | 37.859 | ng/u1  | 97       |
| 27) Bis(2-Chloroethoxy)met... | 10.549 | 93   | 174124   | 39.540 | ng/u1  | 97       |
| 29) 2,4-Dichlorophenol        | 10.802 | 162  | 163381   | 39.337 | ng/u1  | 96       |
| 30) Naphthalene               | 11.219 | 128  | 433413   | 40.449 | ng/u1  | 100      |
| 32) 4-Chloroaniline           | 11.319 | 127  | 195306   | 39.404 | ng/u1  | 95       |
| 33) Hexachlorobutadiene       | 11.495 | 225  | 137923   | 35.436 | ng/u1  | 97       |
| 34) Caprolactam               | 12.077 | 113  | 50234m   | 37.831 | ng/u1  |          |
| 35) 4-Chloro-3-methylphenol   | 12.412 | 107  | 153974   | 38.589 | ng/u1  | 99       |
| 36) 2-Methylnaphthalene       | 12.800 | 142  | 332826   | 38.743 | ng/u1  | 98       |

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## Instrument :

BNA\_G

## ClientSampleId :

SSTD040403

## Manual Integrations

## APPROVED

Reviewed By :Jagrut Upadhyay 01/05/2023  
 Supervised By :mohammad ahmed 01/05/2023

Quant Time: Jan 05 00:19:45 2023

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

Quant Title : SVOA CALIBRATION

QLast Update : Thu Jan 05 00:14:25 2023

Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 37) 1-Methylnaphthalene       | 13.017 | 142  | 338409   | 39.104 | ng/u1  | 96       |
| 39) 1,2,4,5-Tetrachloroben... | 13.158 | 216  | 270373   | 38.618 | ng/u1  | 99       |
| 40) Hexachlorocyclopentadiene | 13.135 | 237  | 181517   | 39.987 | ng/u1  | 96       |
| 41) 2,4,6-Trichlorophenol     | 13.387 | 196  | 172046   | 41.694 | ng/u1  | 98       |
| 42) 2,4,5-Trichlorophenol     | 13.458 | 196  | 184741   | 41.291 | ng/u1  | 97       |
| 43) 1,1'-Biphenyl             | 13.787 | 154  | 496121   | 41.339 | ng/u1  | 97       |
| 44) 2-Chloronaphthalene       | 13.834 | 162  | 403129   | 40.525 | ng/u1  | 99       |
| 45) 2-Nitroaniline            | 14.028 | 65   | 78543    | 56.858 | ng/u1  | 88       |
| 47) Dimethylphthalate         | 14.386 | 163  | 530319   | 40.705 | ng/u1  | 99       |
| 48) 2,6-Dinitrotoluene        | 14.509 | 165  | 114536   | 44.539 | ng/u1  | 92       |
| 50) Acenaphthylene            | 14.674 | 152  | 601798   | 40.812 | ng/u1  | 98       |
| 51) 3-Nitroaniline            | 14.839 | 138  | 87073    | 45.077 | ng/u1  | 90       |
| 52) Acenaphthene              | 15.009 | 153  | 422872   | 40.823 | ng/u1  | 98       |
| 53) 2,4-Dinitrophenol         | 15.044 | 184  | 82531    | 41.232 | ng/u1# | 91       |
| 55) 4-Nitrophenol             | 15.132 | 109  | 80906    | 42.048 | ng/u1  | 90       |
| 56) Dibenzofuran              | 15.344 | 168  | 644805   | 39.769 | ng/u1  | 97       |
| 57) 2,4-Dinitrotoluene        | 15.291 | 165  | 159517   | 44.731 | ng/u1  | 94       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.561 | 232  | 180111   | 40.725 | ng/u1  | 96       |
| 59) Diethylphthalate          | 15.737 | 149  | 496415   | 42.648 | ng/u1  | 97       |
| 61) Fluorene                  | 15.984 | 166  | 518261   | 38.912 | ng/u1  | 98       |
| 62) 4-Chlorophenyl-phenyle... | 15.967 | 204  | 321697   | 37.179 | ng/u1  | 96       |
| 63) 4-Nitroaniline            | 16.002 | 138  | 80709    | 43.788 | ng/u1  | 95       |
| 66) 4,6-Dinitro-2-methylph... | 16.055 | 198  | 116601   | 43.825 | ng/u1  | 97       |
| 67) N-Nitrosodiphenylamine    | 16.178 | 169  | 462019   | 42.241 | ng/u1  | 100      |
| 68) 4-Bromophenyl-phenylether | 16.860 | 248  | 224552   | 41.030 | ng/u1  | 94       |
| 69) Hexachlorobenzene         | 16.989 | 284  | 223982   | 42.285 | ng/u1  | 98       |
| 70) Atrazine                  | 17.112 | 200  | 212971   | 40.837 | ng/u1  | 98       |
| 71) Pentachlorophenol         | 17.324 | 266  | 138650   | 41.171 | ng/u1  | 97       |
| 72) Phenanthrene              | 17.723 | 178  | 879395   | 40.127 | ng/u1  | 99       |
| 74) Anthracene                | 17.817 | 178  | 888672   | 39.612 | ng/u1  | 98       |
| 75) 1,2,3,4-Tetrachloroben... | 13.757 | 216  | 273081   | 41.704 | ng/uL  | 99       |
| 76) Pentachlorobenzene        | 15.262 | 250  | 274376   | 42.447 | ng/uL  | 94       |
| 77) Carbazole                 | 18.076 | 167  | 739577   | 40.322 | ng/u1  | 100      |
| 78) Di-n-butylphthalate       | 18.605 | 149  | 769352   | 45.910 | ng/u1  | 98       |
| 80) Fluoranthene              | 19.715 | 202  | 1093005  | 42.863 | ng/u1  | 99       |
| 82) Pyrene                    | 20.074 | 202  | 1079969  | 41.983 | ng/u1  | 99       |
| 83) Butylbenzylphthalate      | 20.931 | 149  | 325366   | 59.436 | ng/u1  | 96       |
| 84) 3,3'-Dichlorobenzidine    | 21.860 | 252  | 383990   | 43.525 | ng/u1  | 100      |
| 85) Benzo(a)anthracene        | 21.960 | 228  | 1087051  | 40.560 | ng/u1  | 98       |
| 86) Bis(2-ethylhexyl)phtha... | 21.824 | 149  | 465449   | 55.503 | ng/u1  | 100      |
| 87) Chrysene                  | 22.030 | 228  | 1011264  | 40.658 | ng/u1  | 99       |
| 89) Di-n-octyl phthalate      | 23.111 | 149  | 791985   | 50.032 | ng/u1  | 100      |
| 90) Benzo(b)fluoranthene      | 24.333 | 252  | 1150709  | 40.750 | ng/u1  | 98       |
| 91) Benzo(k)fluoranthene      | 24.410 | 252  | 1109518  | 40.265 | ng/u1  | 98       |
| 93) Benzo(a)pyrene            | 25.279 | 252  | 994617   | 40.422 | ng/u1  | 100      |
| 94) Indeno(1,2,3-cd)pyrene    | 29.427 | 276  | 1301428  | 40.156 | ng/u1  | 98       |
| 95) Dibenzo(a,h)anthracene    | 29.492 | 278  | 1082484  | 39.933 | ng/u1  | 98       |
| 96) Benzo(g,h,i)perylene      | 30.691 | 276  | 1046266m | 40.170 | ng/u1  |          |

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

