

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG110321\  
 Data File : BG050814.D  
 Acq On : 2 Nov 2021 12:11  
 Operator : CG/JU  
 Sample : SSTD08016  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSTD080416

Quant Time: Nov 02 14:33:17 2021  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG110321.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Nov 02 14:25:39 2021  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 11/02/2021  
 Supervised By :mohammad ahmed 11/08/2021

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.237  | 152  | 25929    | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 11.063 | 136  | 122054   | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.858 | 164  | 81312    | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.602 | 188  | 186323   | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.903 | 240  | 149539   | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 25.305 | 264  | 149023   | 20.000 | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.589  | 96   | 30473    | 37.932 | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 4.012  | 84   | 225160   | 93.660 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 7.379  | 99   | 260617   | 94.216 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.549  | 67   | 162586   | 90.990 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.761  | 132  | 181449   | 94.651 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.942  | 113  | 201738   | 92.640 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 9.412  | 128  | 98696    | 95.154 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 10.134 | 143  | 112043   | 97.150 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.675 | 165  | 184412   | 94.924 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 11.192 | 131  | 266239   | 90.494 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 14.253 | 166  | 572966   | 92.104 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.559 | 160  | 711462   | 91.796 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 15.058 | 143  | 110158   | 97.663 | ng/u1  | 0.01     |
| 60) Fluorene-d10              | 15.851 | 176  | 503328   | 91.334 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.969 | 200  | 111661   | 98.847 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.708 | 188  | 772062   | 87.643 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.982 | 212  | 877647   | 90.868 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 25.087 | 264  | 757345   | 91.930 | ng/u1  | 0.01     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.624  | 88   | 33137    | 37.554 | ng/uL  | 95       |
| 5) Pyridine                   | 4.036  | 79   | 233555   | 93.540 | ng/u1  | 98       |
| 6) Benzaldehyde               | 7.367  | 77   | 163804   | 93.887 | ng/u1  | 95       |
| 8) Phenol                     | 7.408  | 94   | 264586   | 92.465 | ng/u1  | 99       |
| 10) Bis(2-Chloroethyl)ether   | 7.643  | 93   | 198009   | 92.448 | ng/u1  | 99       |
| 12) 2-Chlorophenol            | 7.796  | 128  | 180382   | 92.674 | ng/u1  | 97       |
| 13) 2-Methylphenol            | 8.671  | 108  | 198974   | 94.076 | ng/u1  | 99       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.754  | 45   | 305448   | 90.539 | ng/u1  | 99       |
| 16) Acetophenone              | 9.065  | 105  | 305559   | 90.324 | ng/u1  | 96       |
| 17) N-Nitroso-di-n-propyla... | 9.053  | 70   | 185104   | 90.689 | ng/u1  | 96       |
| 18) 4-Methylphenol            | 9.006  | 108  | 207498   | 92.140 | ng/u1  | 98       |
| 19) Hexachloroethane          | 9.324  | 117  | 76844    | 94.426 | ng/u1  | 98       |
| 22) Nitrobenzene              | 9.453  | 77   | 263503   | 91.089 | ng/u1  | 98       |
| 23) Isophorone                | 9.976  | 82   | 515609   | 91.839 | ng/u1  | 99       |
| 25) 2-Nitrophenol             | 10.164 | 139  | 112552   | 97.275 | ng/u1  | 96       |
| 26) 2,4-Dimethylphenol        | 10.211 | 107  | 234948   | 92.265 | ng/u1  | 99       |
| 27) Bis(2-Chloroethoxy)met... | 10.452 | 93   | 277795   | 91.833 | ng/u1  | 98       |
| 29) 2,4-Dichlorophenol        | 10.704 | 162  | 179218   | 94.574 | ng/u1  | 98       |
| 30) Naphthalene               | 11.116 | 128  | 604059   | 90.507 | ng/u1  | 98       |
| 32) 4-Chloroaniline           | 11.221 | 127  | 267355   | 91.518 | ng/u1  | 100      |
| 33) Hexachlorobutadiene       | 11.380 | 225  | 114851   | 92.341 | ng/u1  | 97       |
| 34) Caprolactam               | 11.997 | 113  | 74239m   | 92.226 | ng/u1  |          |
| 35) 4-Chloro-3-methylphenol   | 12.326 | 107  | 227529   | 93.990 | ng/u1  | 99       |
| 36) 2-Methylnaphthalene       | 12.702 | 142  | 410220   | 90.220 | ng/u1  | 100      |

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## Instrument :

BNA\_G

## ClientSampleId :

SST080416

## Manual Integrations

## APPROVED

Reviewed By :Jagrut Upadhyay 11/02/2021  
 Supervised By :mohammad ahmed 11/08/2021

Quant Time: Nov 02 14:33:17 2021

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG110321.M

Quant Title : SVOA CALIBRATION

QLast Update : Tue Nov 02 14:25:39 2021

Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 37) 1-Methylnaphthalene       | 12.919 | 142  | 416560   | 90.415  | ng/ul  | 99       |
| 39) 1,2,4,5-Tetrachloroben... | 13.060 | 216  | 221214   | 93.369  | ng/ul  | 96       |
| 40) Hexachlorocyclopentadiene | 13.037 | 237  | 121452   | 106.749 | ng/ul  | 99       |
| 41) 2,4,6-Trichlorophenol     | 13.301 | 196  | 156462   | 100.923 | ng/ul  | 99       |
| 42) 2,4,5-Trichlorophenol     | 13.378 | 196  | 162623   | 97.707  | ng/ul  | 99       |
| 43) 1,1'-Biphenyl             | 13.695 | 154  | 537298   | 90.403  | ng/ul  | 100      |
| 44) 2-Chloronaphthalene       | 13.748 | 162  | 425703   | 91.402  | ng/ul  | 98       |
| 45) 2-Nitroaniline            | 13.948 | 65   | 179140   | 96.810  | ng/ul  | 96       |
| 47) Dimethylphthalate         | 14.306 | 163  | 562803   | 90.480  | ng/ul  | 99       |
| 48) 2,6-Dinitrotoluene        | 14.435 | 165  | 127315   | 97.793  | ng/ul  | 97       |
| 50) Acenaphthylene            | 14.588 | 152  | 699789   | 90.089  | ng/ul  | 98       |
| 51) 3-Nitroaniline            | 14.764 | 138  | 128042   | 95.094  | ng/ul  | 89       |
| 52) Acenaphthene              | 14.923 | 153  | 470131   | 92.044  | ng/ul  | 96       |
| 53) 2,4-Dinitrophenol         | 14.976 | 184  | 76043    | 105.881 | ng/ul  | 96       |
| 55) 4-Nitrophenol             | 15.070 | 109  | 100802   | 97.444  | ng/ul  | 98       |
| 56) Dibenzofuran              | 15.258 | 168  | 652678   | 89.273  | ng/ul  | 97       |
| 57) 2,4-Dinitrotoluene        | 15.223 | 165  | 178339   | 95.986  | ng/ul  | 97       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.481 | 232  | 134210   | 102.606 | ng/ul  | 99       |
| 59) Diethylphthalate          | 15.657 | 149  | 606802   | 91.137  | ng/ul  | 98       |
| 61) Fluorene                  | 15.904 | 166  | 512182   | 88.511  | ng/ul  | 100      |
| 62) 4-Chlorophenyl-phenyle... | 15.887 | 204  | 275733   | 91.507  | ng/ul  | 99       |
| 63) 4-Nitroaniline            | 15.934 | 138  | 127917   | 95.762  | ng/ul  | 95       |
| 66) 4,6-Dinitro-2-methylph... | 15.986 | 198  | 108154   | 98.177  | ng/ul# | 99       |
| 67) N-Nitrosodiphenylamine    | 16.104 | 169  | 470945   | 90.424  | ng/ul  | 99       |
| 68) 4-Bromophenyl-phenylether | 16.785 | 248  | 175162   | 94.509  | ng/ul  | 95       |
| 69) Hexachlorobenzene         | 16.909 | 284  | 176400   | 92.580  | ng/ul  | 98       |
| 70) Atrazine                  | 17.044 | 200  | 201949   | 91.438  | ng/ul  | 99       |
| 71) Pentachlorophenol         | 17.250 | 266  | 97395    | 111.337 | ng/ul  | 95       |
| 72) Phenanthrene              | 17.649 | 178  | 879097   | 88.388  | ng/ul  | 97       |
| 74) Anthracene                | 17.743 | 178  | 861883   | 86.368  | ng/ul  | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 13.666 | 216  | 236347   | 93.161  | ng/uL  | 97       |
| 76) Pentachlorobenzene        | 15.176 | 250  | 220732   | 93.901  | ng/uL  | 99       |
| 77) Carbazole                 | 18.008 | 167  | 812259   | 90.812  | ng/ul  | 97       |
| 78) Di-n-butylphthalate       | 18.542 | 149  | 1023947  | 87.122  | ng/ul  | 99       |
| 80) Fluoranthene              | 19.647 | 202  | 1047953  | 90.408  | ng/ul  | 99       |
| 82) Pyrene                    | 20.011 | 202  | 998813   | 88.188  | ng/ul  | 98       |
| 83) Butylbenzylphthalate      | 20.875 | 149  | 453646   | 93.144  | ng/ul  | 99       |
| 84) 3,3'-Dichlorobenzidine    | 21.791 | 252  | 343392   | 94.292  | ng/ul  | 100      |
| 85) Benzo(a)anthracene        | 21.885 | 228  | 942053   | 90.998  | ng/ul  | 98       |
| 86) Bis(2-ethylhexyl)phtha... | 21.750 | 149  | 645624   | 92.350  | ng/ul  | 100      |
| 87) Chrysene                  | 21.956 | 228  | 897381   | 90.741  | ng/ul  | 98       |
| 89) Di-n-octyl phthalate      | 23.025 | 149  | 1098238  | 90.522  | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 24.224 | 252  | 953056   | 89.773  | ng/ul  | 98       |
| 91) Benzo(k)fluoranthene      | 24.300 | 252  | 893529   | 89.693  | ng/ul  | 98       |
| 93) Benzo(a)pyrene            | 25.164 | 252  | 914312   | 90.424  | ng/ul  | 99       |
| 94) Indeno(1,2,3-cd)pyrene    | 29.247 | 276  | 1044221  | 92.685  | ng/ul  | 98       |
| 95) Dibenzo(a,h)anthracene    | 29.306 | 278  | 872339   | 91.541  | ng/ul  | 100      |
| 96) Benzo(g,h,i)perylene      | 30.481 | 276  | 872500   | 92.710  | ng/ul  | 98       |

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

