

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG021522\  
 Data File : BG052394.D  
 Acq On : 15 Feb 2022 16:08  
 Operator : CG/JU  
 Sample : N1478-06MS  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

## Instrument :

BNA\_G

ClientSampleId :

GBCW3MS

## Manual Integrations

## APPROVED

Reviewed By :Jagrut Upadhyay 02/15/2022

Supervised By :Yogesh Patel 02/16/2022

Quant Time: Feb 15 16:47:36 2022

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG013122.M

Quant Title : SVOA CALIBRATION

QLast Update : Mon Jan 31 18:07:10 2022

Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.217  | 152  | 22632    | 20.000 | ng/u1  | -0.02    |
| 20) Naphthalene-d8            | 11.060 | 136  | 97117    | 20.000 | ng/u1  | -0.02    |
| 38) Acenaphthene-d10          | 14.867 | 164  | 70738    | 20.000 | ng/u1  | -0.01    |
| 64) Phenanthrene-d10          | 17.616 | 188  | 177264   | 20.000 | ng/u1  | #-0.01   |
| 79) Chrysene-d12              | 21.934 | 240  | 181931   | 20.000 | ng/u1  | #-0.01   |
| 88) Perylene-d12              | 25.400 | 264  | 188661   | 20.000 | ng/u1  | -0.02    |
|                               |        |      |          |        |        |          |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.541  | 96   | 2735     | 4.875  | ng/uL  | -0.02    |
| 4) Pyridine-d5                | 3.981  | 84   | 8017     | 4.595  | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 7.365  | 99   | 17661    | 8.579  | ng/u1  | -0.01    |
| 9) Bis-(2-Chloroethyl)eth...  | 7.524  | 67   | 44937    | 35.931 | ng/u1  | -0.02    |
| 11) 2-Chlorophenol-d4         | 7.753  | 132  | 40728    | 28.392 | ng/u1  | -0.01    |
| 15) 4-Methylphenol-d8         | 8.928  | 113  | 31270    | 20.017 | ng/u1  | -0.01    |
| 21) Nitrobenzene-d5           | 9.392  | 128  | 28008    | 35.419 | ng/u1  | -0.02    |
| 24) 2-Nitrophenol-d4          | 10.126 | 143  | 30816    | 35.663 | ng/u1  | -0.02    |
| 28) 2,4-Dichlorophenol-d3     | 10.672 | 165  | 56739    | 33.682 | ng/u1  | -0.02    |
| 31) 4-Chloroaniline-d4        | 11.189 | 131  | 30158    | 14.114 | ng/u1  | -0.01    |
| 46) Dimethylphthalate-d6      | 14.256 | 166  | 236768   | 42.582 | ng/u1  | -0.01    |
| 49) Acenaphthylene-d8         | 14.561 | 160  | 267590   | 38.611 | ng/u1  | -0.02    |
| 54) 4-Nitrophenol-d4          | 15.055 | 143  | 9955     | 11.821 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.859 | 176  | 208773   | 42.858 | ng/u1  | -0.01    |
| 65) 4,6-Dinitro-2-methylph... | 15.971 | 200  | 48209    | 44.052 | ng/u1  | -0.01    |
| 73) Anthracene-d10            | 17.716 | 188  | 362887   | 43.423 | ng/u1  | -0.01    |
| 81) Pyrene-d10                | 19.995 | 212  | 466127   | 42.750 | ng/u1  | -0.01    |
| 92) Benzo(a)pyrene-d12        | 25.159 | 264  | 446344   | 44.533 | ng/u1  | -0.02    |
|                               |        |      |          |        |        |          |
| Target Compounds              |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.582  | 88   | 3474     | 5.556  | ng/uL# | 90       |
| 5) Pyridine                   | 3.999  | 79   | 9609     | 5.259  | ng/u1  | 97       |
| 6) Benzaldehyde               | 7.342  | 77   | 47311    | 40.538 | ng/u1  | 92       |
| 8) Phenol                     | 7.394  | 94   | 19426    | 9.416  | ng/u1  | 92       |
| 10) Bis(2-Chloroethyl)ether   | 7.624  | 93   | 53533    | 34.337 | ng/u1  | 94       |
| 12) 2-Chlorophenol            | 7.782  | 128  | 42940    | 28.997 | ng/u1  | 95       |
| 13) 2-Methylphenol            | 8.663  | 108  | 34022    | 21.912 | ng/u1  | 99       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.746  | 45   | 77279    | 34.705 | ng/u1  | 100      |
| 16) Acetophenone              | 9.045  | 105  | 90345    | 37.292 | ng/u1  | 98       |
| 17) N-Nitroso-di-n-propyla... | 9.028  | 70   | 53815    | 37.032 | ng/u1  | 98       |
| 18) 4-Methylphenol            | 8.992  | 108  | 32937    | 20.136 | ng/u1  | 95       |
| 19) Hexachloroethane          | 9.321  | 117  | 21206    | 33.252 | ng/u1  | 88       |
| 22) Nitrobenzene              | 9.433  | 77   | 74950    | 33.982 | ng/u1  | 100      |
| 23) Isophorone                | 9.962  | 82   | 144243   | 35.344 | ng/u1  | 97       |
| 25) 2-Nitrophenol             | 10.155 | 139  | 31928    | 33.799 | ng/u1  | 95       |
| 26) 2,4-Dimethylphenol        | 10.208 | 107  | 56742    | 29.131 | ng/u1  | 95       |
| 27) Bis(2-Chloroethoxy)met... | 10.443 | 93   | 75195    | 34.355 | ng/u1  | 98       |
| 29) 2,4-Dichlorophenol        | 10.702 | 162  | 51542    | 31.652 | ng/u1  | 89       |
| 30) Naphthalene               | 11.113 | 128  | 181633   | 34.205 | ng/u1  | 97       |
| 32) 4-Chloroaniline           | 11.213 | 127  | 30206    | 13.711 | ng/u1  | 96       |
| 33) Hexachlorobutadiene       | 11.401 | 225  | 42505    | 31.999 | ng/u1  | 98       |
| 34) Caprolactam               | 11.959 | 113  | 3335     | 6.315  | ng/u1# | 88       |
| 35) 4-Chloro-3-methylphenol   | 12.323 | 107  | 58487    | 33.300 | ng/u1  | 98       |
| 36) 2-Methylnaphthalene       | 12.705 | 142  | 137164   | 36.810 | ng/u1  | 92       |

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Quant Time: Feb 15 16:47:36 2022

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG013122.M

Quant Title : SVOA CALIBRATION

QLast Update : Mon Jan 31 18:07:10 2022

Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 37) 1-Methylnaphthalene       | 12.922 | 142  | 138709   | 36.183 | ng/ul  | 92       |
| 39) 1,2,4,5-Tetrachloroben... | 13.075 | 216  | 85237    | 33.476 | ng/ul  | 97       |
| 40) Hexachlorocyclopentadiene | 13.052 | 237  | 31883    | 21.934 | ng/ul  | 99       |
| 41) 2,4,6-Trichlorophenol     | 13.304 | 196  | 53281    | 35.046 | ng/ul  | 99       |
| 42) 2,4,5-Trichlorophenol     | 13.380 | 196  | 58546    | 35.754 | ng/ul  | 97       |
| 43) 1,1'-Biphenyl             | 13.704 | 154  | 197722   | 35.654 | ng/ul# | 92       |
| 44) 2-Chloronaphthalene       | 13.751 | 162  | 149118   | 35.144 | ng/ul  | 98       |
| 45) 2-Nitroaniline            | 13.944 | 65   | 58203    | 40.739 | ng/ul  | 95       |
| 47) Dimethylphthalate         | 14.309 | 163  | 221517   | 41.102 | ng/ul  | 99       |
| 48) 2,6-Dinitrotoluene        | 14.432 | 165  | 50079    | 43.073 | ng/ul  | 86       |
| 50) Acenaphthylene            | 14.591 | 152  | 259333   | 37.332 | ng/ul  | 96       |
| 51) 3-Nitroaniline            | 14.761 | 138  | 39813    | 40.015 | ng/ul  | 93       |
| 52) Acenaphthene              | 14.931 | 153  | 168472   | 36.995 | ng/ul  | 95       |
| 53) 2,4-Dinitrophenol         | 14.972 | 184  | 23993    | 39.740 | ng/ul  | 92       |
| 55) 4-Nitrophenol             | 15.072 | 109  | 9717     | 11.009 | ng/ul  | 88       |
| 56) Dibenzofuran              | 15.266 | 168  | 253033   | 38.376 | ng/ul  | 99       |
| 57) 2,4-Dinitrotoluene        | 15.219 | 165  | 77839    | 46.702 | ng/ul# | 88       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.489 | 232  | 58767    | 40.999 | ng/ul# | 90       |
| 59) Diethylphthalate          | 15.666 | 149  | 238815   | 43.701 | ng/ul  | 99       |
| 61) Fluorene                  | 15.912 | 166  | 219030   | 40.031 | ng/ul  | 99       |
| 62) 4-Chlorophenyl-phenyle... | 15.895 | 204  | 118710   | 39.450 | ng/ul  | 93       |
| 63) 4-Nitroaniline            | 15.924 | 138  | 50000    | 51.789 | ng/ul  | 89       |
| 66) 4,6-Dinitro-2-methylph... | 15.989 | 198  | 47281    | 45.363 | ng/ul# | 94       |
| 67) N-Nitrosodiphenylamine    | 16.112 | 169  | 199655   | 41.083 | ng/ul  | 95       |
| 68) 4-Bromophenyl-phenylether | 16.794 | 248  | 87315    | 40.804 | ng/ul# | 86       |
| 69) Hexachlorobenzene         | 16.929 | 284  | 99905    | 41.542 | ng/ul# | 88       |
| 70) Atrazine                  | 17.052 | 200  | 74747    | 34.863 | ng/ul  | 97       |
| 71) Pentachlorophenol         | 17.269 | 266  | 44018    | 38.174 | ng/ul  | 94       |
| 72) Phenanthrene              | 17.663 | 178  | 393762   | 42.165 | ng/ul  | 99       |
| 74) Anthracene                | 17.751 | 178  | 390327   | 42.349 | ng/ul  | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 13.674 | 216  | 90720    | 30.655 | ng/uL  | 95       |
| 76) Pentachlorobenzene        | 15.190 | 250  | 100781   | 36.915 | ng/uL  | 98       |
| 77) Carbazole                 | 18.015 | 167  | 363793   | 45.285 | ng/ul  | 98       |
| 78) Di-n-butylphthalate       | 18.556 | 149  | 424350   | 44.041 | ng/ul  | 99       |
| 80) Fluoranthene              | 19.660 | 202  | 525348   | 40.915 | ng/ul# | 91       |
| 82) Pyrene                    | 20.024 | 202  | 509676   | 40.547 | ng/ul# | 90       |
| 83) Butylbenzylphthalate      | 20.888 | 149  | 190779   | 43.386 | ng/ul  | 96       |
| 84) 3,3'-Dichlorobenzidine    | 21.810 | 252  | 136847   | 35.128 | ng/ul# | 98       |
| 85) Benzo(a)anthracene        | 21.910 | 228  | 516587   | 42.217 | ng/ul  | 98       |
| 86) Bis(2-ethylhexyl)phtha... | 21.787 | 149  | 269126   | 42.697 | ng/ul# | 99       |
| 87) Chrysene                  | 21.981 | 228  | 493179   | 42.656 | ng/ul  | 98       |
| 89) Di-n-octyl phthalate      | 23.079 | 149  | 453251   | 42.346 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 24.289 | 252  | 553646   | 42.320 | ng/ul# | 95       |
| 91) Benzo(k)fluoranthene      | 24.360 | 252  | 504581   | 42.156 | ng/ul# | 95       |
| 93) Benzo(a)pyrene            | 25.241 | 252  | 511978   | 41.961 | ng/ul# | 96       |
| 94) Indeno(1,2,3-cd)pyrene    | 29.394 | 276  | 608275   | 44.754 | ng/ul# | 91       |
| 95) Dibenzo(a,h)anthracene    | 29.459 | 278  | 510781   | 45.324 | ng/ul# | 94       |
| 96) Benzo(g,h,i)perylene      | 30.639 | 276  | 508503m  | 43.952 | ng/ul  |          |

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

