

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG122624\  
 Data File : BG063911.D  
 Acq On : 28 Dec 2024 19:45  
 Operator : RC/JU  
 Sample : PB165893BS  
 Misc :  
 ALS Vial : 39 Sample Multiplier: 1

## Instrument :

BNA\_G

## ClientSampleId :

SLCS893

## Manual Integrations

## APPROVED

Reviewed By :Yogesh Patel 12/30/2024

Supervised By :mohammad ahmed 12/30/2024

Quant Time: Dec 30 00:35:32 2024

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG121124.MA.M

Quant Title : SVOA CALIBRATION

QLast Update : Tue Dec 24 00:44:39 2024

Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.795  | 152  | 88976    | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.586 | 136  | 354802   | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.440 | 164  | 257734   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.196 | 188  | 617799   | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.450 | 240  | 680048   | 20.000 | ng/u1  | 0.01     |
| 88) Perylene-d12              | 24.470 | 264  | 707071   | 20.000 | ng/u1  | 0.03     |
|                               |        |      |          |        |        |          |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.259  | 96   | 16537    | 7.283  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.671  | 84   | 265222   | 37.029 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 6.984  | 99   | 291697   | 35.596 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.131  | 67   | 181627   | 32.091 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.337  | 132  | 197133   | 37.158 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.518  | 113  | 220842   | 34.712 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 8.953  | 128  | 93504    | 36.910 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.675  | 143  | 103507   | 36.450 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.222 | 165  | 216259   | 39.334 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.727 | 131  | 233027   | 33.381 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.847 | 166  | 623083   | 35.528 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.135 | 160  | 748581   | 37.444 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.675 | 143  | 89847    | 36.158 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.439 | 176  | 571117   | 36.832 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.580 | 200  | 77180    | 24.061 | ng/u1  | 0.01     |
| 73) Anthracene-d10            | 17.296 | 188  | 1015729  | 38.241 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.599 | 212  | 1260719  | 35.626 | ng/u1  | 0.01     |
| 92) Benzo(a)pyrene-d12        | 24.264 | 264  | 1254657  | 37.786 | ng/u1  | 0.02     |
|                               |        |      |          |        |        |          |
| Target Compounds              |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.289  | 88   | 35319    | 13.144 | ng/uL  | 96       |
| 5) Pyridine                   | 3.694  | 79   | 276281   | 36.013 | ng/u1  | 90       |
| 6) Benzaldehyde               | 6.937  | 77   | 43816    | 8.717  | ng/u1  | 91       |
| 8) Phenol                     | 7.014  | 94   | 305002   | 34.924 | ng/u1  | 96       |
| 10) Bis(2-Chloroethyl)ether   | 7.225  | 93   | 221995   | 33.223 | ng/u1  | 99       |
| 12) 2-Chlorophenol            | 7.372  | 128  | 201668   | 37.553 | ng/u1  | 93       |
| 13) 2-Methylphenol            | 8.254  | 108  | 223638   | 35.430 | ng/u1  | 95       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.312  | 45   | 329554   | 33.222 | ng/u1  | 98       |
| 16) Acetophenone              | 8.618  | 105  | 344234   | 31.899 | ng/u1  | 94       |
| 17) N-Nitroso-di-n-propyla... | 8.600  | 70   | 198820   | 30.878 | ng/u1  | 92       |
| 18) 4-Methylphenol            | 8.583  | 108  | 241234   | 34.919 | ng/u1  | 100      |
| 19) Hexachloroethane          | 8.870  | 117  | 87060    | 32.994 | ng/u1  | 98       |
| 22) Nitrobenzene              | 8.994  | 77   | 294276   | 34.786 | ng/u1  | 95       |
| 23) Isophorone                | 9.517  | 82   | 544146   | 34.043 | ng/u1  | 99       |
| 25) 2-Nitrophenol             | 9.705  | 139  | 113447   | 38.873 | ng/u1  | 91       |
| 26) 2,4-Dimethylphenol        | 9.775  | 107  | 251188   | 37.930 | ng/u1  | 97       |
| 27) Bis(2-Chloroethoxy)met... | 9.999  | 93   | 308770   | 35.715 | ng/u1# | 93       |
| 29) 2,4-Dichlorophenol        | 10.251 | 162  | 216071   | 39.552 | ng/u1  | 93       |
| 30) Naphthalene               | 10.639 | 128  | 634124   | 35.747 | ng/u1  | 98       |
| 32) 4-Chloroaniline           | 10.751 | 127  | 136804   | 20.597 | ng/u1  | 98       |
| 33) Hexachlorobutadiene       | 10.921 | 225  | 144953   | 32.660 | ng/u1  | 98       |
| 34) Caprolactam               | 11.509 | 113  | 69907m   | 37.019 | ng/u1  |          |
| 35) 4-Chloro-3-methylphenol   | 11.896 | 107  | 232952   | 36.321 | ng/u1  | 96       |
| 36) 2-Methylnaphthalene       | 12.249 | 142  | 437899   | 34.347 | ng/u1  | 98       |

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| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 37) 1-Methylnaphthalene       | 12.472 | 142  | 449762   | 34.633 | ng/ul  | 100      |
| 39) 1,2,4,5-Tetrachloroben... | 12.631 | 216  | 277563   | 33.641 | ng/ul  | 95       |
| 40) Hexachlorocyclopentadiene | 12.607 | 237  | 48622    | 14.907 | ng/ul  | 97       |
| 41) 2,4,6-Trichlorophenol     | 12.872 | 196  | 178476   | 38.273 | ng/ul  | 96       |
| 42) 2,4,5-Trichlorophenol     | 12.954 | 196  | 183375   | 37.679 | ng/ul  | 94       |
| 43) 1,1'-Biphenyl             | 13.271 | 154  | 612731   | 36.049 | ng/ul  | 97       |
| 44) 2-Chloronaphthalene       | 13.312 | 162  | 490365   | 35.927 | ng/ul  | 96       |
| 45) 2-Nitroaniline            | 13.524 | 65   | 176282   | 38.558 | ng/ul  | 92       |
| 47) Dimethylphthalate         | 13.894 | 163  | 623578   | 35.478 | ng/ul  | 99       |
| 48) 2,6-Dinitrotoluene        | 14.023 | 165  | 128716   | 39.432 | ng/ul# | 89       |
| 50) Acenaphthylene            | 14.164 | 152  | 792117   | 36.952 | ng/ul  | 98       |
| 51) 3-Nitroaniline            | 14.352 | 138  | 123391   | 40.884 | ng/ul  | 92       |
| 52) Acenaphthene              | 14.505 | 153  | 545010   | 35.871 | ng/ul  | 97       |
| 53) 2,4-Dinitrophenol         | 14.581 | 184  | 25393    | 15.222 | ng/ul  | 90       |
| 55) 4-Nitrophenol             | 14.693 | 109  | 83399    | 32.323 | ng/ul  | 90       |
| 56) Dibenzofuran              | 14.840 | 168  | 797227   | 37.218 | ng/ul  | 95       |
| 57) 2,4-Dinitrotoluene        | 14.816 | 165  | 191341   | 39.448 | ng/ul# | 97       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.081 | 232  | 160240   | 38.197 | ng/ul# | 95       |
| 59) Diethylphthalate          | 15.263 | 149  | 616367   | 36.275 | ng/ul  | 98       |
| 61) Fluorene                  | 15.492 | 166  | 630452   | 36.859 | ng/ul  | 99       |
| 62) 4-Chlorophenyl-phenyle... | 15.486 | 204  | 336086   | 35.270 | ng/ul  | 93       |
| 63) 4-Nitroaniline            | 15.522 | 138  | 142540   | 47.176 | ng/ul  | 92       |
| 66) 4,6-Dinitro-2-methylph... | 15.592 | 198  | 81106    | 24.544 | ng/ul# | 92       |
| 67) N-Nitrosodiphenylamine    | 15.704 | 169  | 537652   | 35.939 | ng/ul  | 97       |
| 68) 4-Bromophenyl-phenylether | 16.385 | 248  | 224962   | 35.730 | ng/ul  | 97       |
| 69) Hexachlorobenzene         | 16.509 | 284  | 252747   | 35.829 | ng/ul  | 97       |
| 70) Atrazine                  | 16.661 | 200  | 234200   | 37.034 | ng/ul  | 94       |
| 71) Pentachlorophenol         | 16.861 | 266  | 82700m   | 27.805 | ng/ul  |          |
| 72) Phenanthrene              | 17.237 | 178  | 1143015  | 38.393 | ng/ul  | 99       |
| 74) Anthracene                | 17.331 | 178  | 1173946  | 38.959 | ng/ul  | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 13.236 | 216  | 280478   | 34.027 | ng/ul  | 98       |
| 76) Pentachlorobenzene        | 14.769 | 250  | 279479   | 34.225 | ng/ul  | 99       |
| 77) Carbazole                 | 17.601 | 167  | 1036997  | 42.514 | ng/ul  | 98       |
| 78) Di-n-butylphthalate       | 18.160 | 149  | 1202822  | 40.833 | ng/ul  | 99       |
| 80) Fluoranthene              | 19.264 | 202  | 1446401  | 35.961 | ng/ul  | 98       |
| 82) Pyrene                    | 19.628 | 202  | 1561870  | 36.498 | ng/ul  | 95       |
| 83) Butylbenzylphthalate      | 20.522 | 149  | 546868   | 41.630 | ng/ul  | 99       |
| 84) 3,3'-Dichlorobenzidine    | 21.356 | 252  | 452272   | 36.841 | ng/ul  | 96       |
| 85) Benzo(a)anthracene        | 21.432 | 228  | 1541126  | 36.160 | ng/ul  | 98       |
| 86) Bis(2-ethylhexyl)phtha... | 21.344 | 149  | 811492   | 42.467 | ng/ul  | 98       |
| 87) Chrysene                  | 21.491 | 228  | 1477099  | 36.364 | ng/ul  | 98       |
| 89) Di-n-octyl phthalate      | 22.478 | 149  | 1388260  | 45.489 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 23.518 | 252  | 1496328  | 37.234 | ng/ul  | 99       |
| 91) Benzo(k)fluoranthene      | 23.577 | 252  | 1556232  | 38.822 | ng/ul  | 99       |
| 93) Benzo(a)pyrene            | 24.329 | 252  | 1408682  | 37.345 | ng/ul  | 96       |
| 94) Indeno(1,2,3-cd)pyrene    | 27.884 | 276  | 1760812  | 38.224 | ng/ul  | 98       |
| 95) Dibenzo(a,h)anthracene    | 27.936 | 278  | 1412986  | 38.334 | ng/ul  | 97       |
| 96) Benzo(g,h,i)perylene      | 28.947 | 276  | 1380297  | 37.760 | ng/ul  | 97       |

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

