

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG071323\  
 Data File : BG058253.D  
 Acq On : 15 Jul 2023 7:44  
 Operator : CG/JU  
 Sample : PB154013BS  
 Misc :  
 ALS Vial : 62 Sample Multiplier: 1

## Instrument :

BNA\_G

ClientSampleId :

SLCS013

## Manual Integrations

## APPROVED

Reviewed By :Yogesh Patel 07/17/2023

Supervised By :mohammad ahmed 07/17/2023

Quant Time: Jul 15 22:47:30 2023

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG070123.MA.M

Quant Title : SVOA CALIBRATION

QLast Update : Thu Jul 13 14:01:20 2023

Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.902  | 152  | 54771    | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.704 | 136  | 260486   | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.541 | 164  | 184065   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.285 | 188  | 428407   | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.539 | 240  | 370192   | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 24.682 | 264  | 469033   | 20.000 | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.348  | 96   | 7964     | 5.092  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.754  | 84   | 135827   | 28.604 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 7.068  | 99   | 186319   | 33.310 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.232  | 67   | 108013   | 32.044 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.438  | 132  | 128751   | 33.374 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.613  | 113  | 138467   | 32.808 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 9.065  | 128  | 66298    | 31.227 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.788  | 143  | 75862    | 33.999 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.328 | 165  | 143964   | 33.633 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.840 | 131  | 188014   | 28.971 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.948 | 166  | 441822   | 30.422 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.236 | 160  | 514726   | 32.479 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.753 | 143  | 77146    | 30.066 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.534 | 176  | 397026   | 32.190 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.657 | 200  | 77184    | 33.179 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.385 | 188  | 630602   | 31.722 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.676 | 212  | 740398   | 31.756 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.471 | 264  | 806568   | 33.753 | ng/u1  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.378  | 88   | 22965    | 11.885 | ng/uL# | 89       |
| 5) Pyridine                   | 3.771  | 79   | 152831   | 31.412 | ng/u1  | 98       |
| 6) Benzaldehyde               | 7.038  | 77   | 115224m  | 61.683 | ng/u1  |          |
| 8) Phenol                     | 7.097  | 94   | 208494   | 36.732 | ng/u1  | 98       |
| 10) Bis(2-Chloroethyl)ether   | 7.320  | 93   | 150304   | 34.295 | ng/u1  | 97       |
| 12) 2-Chlorophenol            | 7.467  | 128  | 146574   | 36.511 | ng/u1  | 97       |
| 13) 2-Methylphenol            | 8.343  | 108  | 160436   | 35.990 | ng/u1  | 95       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.431  | 45   | 247705   | 36.717 | ng/u1  | 99       |
| 16) Acetophenone              | 8.724  | 105  | 246043   | 35.137 | ng/u1  | 99       |
| 17) N-Nitroso-di-n-propyla... | 8.707  | 70   | 127203   | 33.981 | ng/u1  | 97       |
| 18) 4-Methylphenol            | 8.677  | 108  | 176266   | 36.568 | ng/u1  | 96       |
| 19) Hexachloroethane          | 8.983  | 117  | 55656    | 36.164 | ng/u1  | 99       |
| 22) Nitrobenzene              | 9.106  | 77   | 190675   | 34.596 | ng/u1  | 98       |
| 23) Isophorone                | 9.629  | 82   | 387692   | 32.966 | ng/u1  | 99       |
| 25) 2-Nitrophenol             | 9.817  | 139  | 88316    | 36.886 | ng/u1  | 95       |
| 26) 2,4-Dimethylphenol        | 9.876  | 107  | 167467   | 31.105 | ng/u1  | 97       |
| 27) Bis(2-Chloroethoxy)met... | 10.111 | 93   | 218298   | 32.940 | ng/u1  | 98       |
| 29) 2,4-Dichlorophenol        | 10.352 | 162  | 148448   | 35.669 | ng/u1  | 92       |
| 30) Naphthalene               | 10.757 | 128  | 500116   | 34.164 | ng/u1  | 99       |
| 32) 4-Chloroaniline           | 10.869 | 127  | 207519   | 31.272 | ng/u1  | 99       |
| 33) Hexachlorobutadiene       | 11.033 | 225  | 101690   | 34.513 | ng/u1  | 96       |
| 34) Caprolactam               | 11.633 | 113  | 55654m   | 33.261 | ng/u1  |          |
| 35) 4-Chloro-3-methylphenol   | 11.997 | 107  | 190160   | 37.196 | ng/u1  | 99       |
| 36) 2-Methylnaphthalene       | 12.367 | 142  | 339139   | 34.368 | ng/u1  | 96       |

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| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 37) 1-Methylnaphthalene       | 12.585 | 142  | 341767   | 34.537 | ng/ul | 98       |
| 39) 1,2,4,5-Tetrachloroben... | 12.732 | 216  | 200051   | 35.664 | ng/ul | 98       |
| 40) Hexachlorocyclopentadiene | 12.708 | 237  | 78308    | 22.164 | ng/ul | 97       |
| 41) 2,4,6-Trichlorophenol     | 12.978 | 196  | 141147   | 37.127 | ng/ul | 96       |
| 42) 2,4,5-Trichlorophenol     | 13.049 | 196  | 151422   | 36.829 | ng/ul | 98       |
| 43) 1,1'-Biphenyl             | 13.372 | 154  | 456209   | 34.393 | ng/ul | 100      |
| 44) 2-Chloronaphthalene       | 13.419 | 162  | 370409   | 34.794 | ng/ul | 100      |
| 45) 2-Nitroaniline            | 13.625 | 65   | 138959   | 37.543 | ng/ul | 98       |
| 47) Dimethylphthalate         | 13.995 | 163  | 489223   | 33.529 | ng/ul | 100      |
| 48) 2,6-Dinitrotoluene        | 14.118 | 165  | 109816   | 36.667 | ng/ul | 94       |
| 50) Acenaphthylene            | 14.265 | 152  | 590890   | 34.527 | ng/ul | 98       |
| 51) 3-Nitroaniline            | 14.447 | 138  | 103211   | 40.779 | ng/ul | 99       |
| 52) Acenaphthene              | 14.606 | 153  | 408183   | 34.758 | ng/ul | 98       |
| 53) 2,4-Dinitrophenol         | 14.659 | 184  | 49142    | 31.473 | ng/ul | 92       |
| 55) 4-Nitrophenol             | 14.764 | 109  | 62490    | 32.876 | ng/ul | 87       |
| 56) Dibenzofuran              | 14.941 | 168  | 578421   | 34.649 | ng/ul | 99       |
| 57) 2,4-Dinitrotoluene        | 14.911 | 165  | 157919   | 37.216 | ng/ul | 100      |
| 58) 2,3,4,6-Tetrachlorophenol | 15.170 | 232  | 136449   | 36.455 | ng/ul | 99       |
| 59) Diethylphthalate          | 15.358 | 149  | 507314   | 33.313 | ng/ul | 99       |
| 61) Fluorene                  | 15.593 | 166  | 467866   | 34.158 | ng/ul | 98       |
| 62) 4-Chlorophenyl-phenyle... | 15.581 | 204  | 251439   | 34.693 | ng/ul | 97       |
| 63) 4-Nitroaniline            | 15.616 | 138  | 99824m   | 44.027 | ng/ul |          |
| 66) 4,6-Dinitro-2-methylph... | 15.675 | 198  | 86576    | 36.393 | ng/ul | 98       |
| 67) N-Nitrosodiphenylamine    | 15.798 | 169  | 403975   | 35.432 | ng/ul | 98       |
| 68) 4-Bromophenyl-phenylether | 16.474 | 248  | 177621   | 37.771 | ng/ul | 98       |
| 69) Hexachlorobenzene         | 16.592 | 284  | 196463   | 37.315 | ng/ul | 96       |
| 70) Atrazine                  | 16.744 | 200  | 161402   | 34.618 | ng/ul | 95       |
| 71) Pentachlorophenol         | 16.938 | 266  | 105289   | 33.310 | ng/ul | 97       |
| 72) Phenanthrene              | 17.332 | 178  | 758319   | 34.798 | ng/ul | 99       |
| 74) Anthracene                | 17.420 | 178  | 753568   | 34.172 | ng/ul | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 13.343 | 216  | 205281   | 36.130 | ng/uL | 97       |
| 76) Pentachlorobenzene        | 14.858 | 250  | 224381   | 36.978 | ng/uL | 98       |
| 77) Carbazole                 | 17.690 | 167  | 714359   | 35.818 | ng/ul | 99       |
| 78) Di-n-butylphthalate       | 18.243 | 149  | 877351   | 34.534 | ng/ul | 99       |
| 80) Fluoranthene              | 19.341 | 202  | 924226   | 34.210 | ng/ul | 99       |
| 82) Pyrene                    | 19.706 | 202  | 908368   | 33.403 | ng/ul | 98       |
| 83) Butylbenzylphthalate      | 20.587 | 149  | 401720   | 36.429 | ng/ul | 99       |
| 84) 3,3'-Dichlorobenzidine    | 21.439 | 252  | 365012   | 40.729 | ng/ul | 97       |
| 85) Benzo(a)anthracene        | 21.521 | 228  | 943825   | 35.508 | ng/ul | 99       |
| 86) Bis(2-ethylhexyl)phtha... | 21.421 | 149  | 571128   | 36.141 | ng/ul | 97       |
| 87) Chrysene                  | 21.586 | 228  | 904698   | 36.308 | ng/ul | 98       |
| 89) Di-n-octyl phthalate      | 22.602 | 149  | 1020102  | 35.398 | ng/ul | 100      |
| 90) Benzo(b)fluoranthene      | 23.689 | 252  | 1013441  | 34.896 | ng/ul | 99       |
| 91) Benzo(k)fluoranthene      | 23.754 | 252  | 999786   | 35.123 | ng/ul | 99       |
| 93) Benzo(a)pyrene            | 24.547 | 252  | 910299   | 35.414 | ng/ul | 99       |
| 94) Indeno(1,2,3-cd)pyrene    | 28.272 | 276  | 1207585  | 35.378 | ng/ul | 99       |
| 95) Dibenzo(a,h)anthracene    | 28.331 | 278  | 1011378  | 35.932 | ng/ul | 99       |
| 96) Benzo(g,h,i)perylene      | 29.394 | 276  | 970862   | 34.823 | ng/ul | 99       |

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

