

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG071924\  
 Data File : BG062142.D  
 Acq On : 19 Jul 2024 16:13  
 Operator : MA/JU  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

## Instrument :

BNA\_G

## ClientSampleId :

SSTD020579

## Manual Integrations

## APPROVED

Reviewed By :Yogesh Patel 07/20/2024

Supervised By :mohammad ahmed 07/23/2024

Quant Time: Jul 20 02:10:29 2024

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG071924.MA.M

Quant Title : SVOA CALIBRATION

QLast Update : Fri Jul 19 14:38:52 2024

Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.066  | 152  | 36895    | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.880 | 136  | 150824   | 20.000 | ng/u1  | # 0.00   |
| 38) Acenaphthene-d10          | 14.693 | 164  | 129847   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.436 | 188  | 364278   | 20.000 | ng/u1  | # 0.00   |
| 79) Chrysene-d12              | 21.701 | 240  | 392832   | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 24.926 | 264  | 400746   | 20.000 | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.455  | 96   | 8322     | 10.531 | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.878  | 84   | 60534    | 21.083 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 7.238  | 99   | 66846    | 18.403 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.385  | 67   | 40223    | 19.273 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.602  | 132  | 41695    | 18.215 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.783  | 113  | 52782    | 19.080 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 9.241  | 128  | 21828    | 18.165 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.958  | 143  | 29474    | 20.379 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.510 | 165  | 61956    | 20.463 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 11.015 | 131  | 82939    | 22.772 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 14.094 | 166  | 221225   | 20.100 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.393 | 160  | 224170   | 20.087 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.916 | 143  | 25975    | 19.585 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.685 | 176  | 187678   | 20.028 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.809 | 200  | 43154    | 18.641 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.536 | 188  | 345692   | 20.315 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.821 | 212  | 441264   | 19.811 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.709 | 264  | 401802   | 20.057 | ng/u1  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.496  | 88   | 9688m    | 9.352  | ng/uL  |          |
| 5) Pyridine                   | 3.896  | 79   | 56519    | 19.237 | ng/u1  | 89       |
| 6) Benzaldehyde               | 7.203  | 77   | 44055    | 23.102 | ng/u1  | 99       |
| 8) Phenol                     | 7.267  | 94   | 68536    | 19.125 | ng/u1  | 94       |
| 10) Bis(2-Chloroethyl)ether   | 7.479  | 93   | 47917    | 19.412 | ng/u1  | 89       |
| 12) 2-Chlorophenol            | 7.632  | 128  | 44785    | 19.270 | ng/u1  | 96       |
| 13) 2-Methylphenol            | 8.519  | 108  | 54169    | 20.173 | ng/u1  | 97       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.589  | 45   | 87284    | 19.981 | ng/u1  | 96       |
| 16) Acetophenone              | 8.895  | 105  | 93191    | 19.296 | ng/u1  | 89       |
| 17) N-Nitroso-di-n-propyla... | 8.871  | 70   | 51405    | 18.602 | ng/u1  | 87       |
| 18) 4-Methylphenol            | 8.848  | 108  | 56136    | 18.959 | ng/u1  | 93       |
| 19) Hexachloroethane          | 9.147  | 117  | 21191    | 20.368 | ng/u1  | 82       |
| 22) Nitrobenzene              | 9.277  | 77   | 76154    | 19.598 | ng/u1# | 95       |
| 23) Isophorone                | 9.799  | 82   | 157754   | 20.013 | ng/u1  | 98       |
| 25) 2-Nitrophenol             | 9.987  | 139  | 31845    | 20.820 | ng/u1  | 91       |
| 26) 2,4-Dimethylphenol        | 10.046 | 107  | 73704    | 20.081 | ng/u1  | 88       |
| 27) Bis(2-Chloroethoxy)met... | 10.275 | 93   | 71717    | 19.550 | ng/u1  | 94       |
| 29) 2,4-Dichlorophenol        | 10.534 | 162  | 58769    | 20.432 | ng/u1# | 88       |
| 30) Naphthalene               | 10.933 | 128  | 178124   | 21.893 | ng/u1  | 99       |
| 32) 4-Chloroaniline           | 11.039 | 127  | 80875    | 23.623 | ng/u1# | 86       |
| 33) Hexachlorobutadiene       | 11.197 | 225  | 57467    | 21.027 | ng/u1  | 95       |
| 34) Caprolactam               | 11.808 | 113  | 19715    | 20.074 | ng/u1  | 90       |
| 35) 4-Chloro-3-methylphenol   | 12.173 | 107  | 70199    | 20.354 | ng/u1  | 91       |
| 36) 2-Methylnaphthalene       | 12.531 | 142  | 122011   | 19.864 | ng/u1  | 88       |

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| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 37) 1-Methylnaphthalene       | 12.748 | 142  | 128642   | 20.312 | ng/ul  | 90       |
| 39) 1,2,4,5-Tetrachloroben... | 12.889 | 216  | 104010   | 19.864 | ng/ul# | 96       |
| 40) Hexachlorocyclopentadiene | 12.860 | 237  | 45479    | 17.710 | ng/ul  | 98       |
| 41) 2,4,6-Trichlorophenol     | 13.142 | 196  | 57916    | 19.719 | ng/ul  | 89       |
| 42) 2,4,5-Trichlorophenol     | 13.212 | 196  | 61503    | 19.238 | ng/ul  | 96       |
| 43) 1,1'-Biphenyl             | 13.530 | 154  | 188077   | 20.463 | ng/ul  | 97       |
| 44) 2-Chloronaphthalene       | 13.577 | 162  | 147578   | 19.528 | ng/ul  | 98       |
| 45) 2-Nitroaniline            | 13.782 | 65   | 57838    | 20.768 | ng/ul  | 91       |
| 47) Dimethylphthalate         | 14.141 | 163  | 206547   | 19.709 | ng/ul# | 95       |
| 48) 2,6-Dinitrotoluene        | 14.276 | 165  | 42397    | 19.755 | ng/ul  | 98       |
| 50) Acenaphthylene            | 14.423 | 152  | 245573   | 20.185 | ng/ul  | 97       |
| 51) 3-Nitroaniline            | 14.605 | 138  | 39578    | 22.829 | ng/ul# | 92       |
| 52) Acenaphthene              | 14.757 | 153  | 159900   | 19.800 | ng/ul  | 98       |
| 53) 2,4-Dinitrophenol         | 14.816 | 184  | 16345    | 14.227 | ng/ul# | 68       |
| 55) 4-Nitrophenol             | 14.934 | 109  | 38554m   | 18.992 | ng/ul  |          |
| 56) Dibenzofuran              | 15.092 | 168  | 245095   | 20.155 | ng/ul  | 94       |
| 57) 2,4-Dinitrotoluene        | 15.057 | 165  | 68047    | 20.663 | ng/ul# | 89       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.321 | 232  | 54883    | 19.511 | ng/ul# | 97       |
| 59) Diethylphthalate          | 15.498 | 149  | 214076   | 20.660 | ng/ul  | 97       |
| 61) Fluorene                  | 15.744 | 166  | 206083   | 19.763 | ng/ul  | 95       |
| 62) 4-Chlorophenyl-phenyle... | 15.727 | 204  | 125791   | 19.480 | ng/ul  | 95       |
| 63) 4-Nitroaniline            | 15.768 | 138  | 42250    | 22.774 | ng/ul# | 90       |
| 66) 4,6-Dinitro-2-methylph... | 15.826 | 198  | 43036    | 19.800 | ng/ul  | 93       |
| 67) N-Nitrosodiphenylamine    | 15.944 | 169  | 172710   | 19.382 | ng/ul  | 94       |
| 68) 4-Bromophenyl-phenylether | 16.620 | 248  | 83727    | 19.738 | ng/ul  | 96       |
| 69) Hexachlorobenzene         | 16.737 | 284  | 91406    | 20.306 | ng/ul  | 97       |
| 70) Atrazine                  | 16.890 | 200  | 93866    | 20.904 | ng/ul  | 98       |
| 71) Pentachlorophenol         | 17.090 | 266  | 21635m   | 13.033 | ng/ul  |          |
| 72) Phenanthrene              | 17.483 | 178  | 348014   | 19.853 | ng/ul  | 95       |
| 74) Anthracene                | 17.571 | 178  | 369939   | 20.499 | ng/ul  | 96       |
| 75) 1,2,3,4-Tetrachloroben... | 13.494 | 216  | 107699   | 20.641 | ng/ul  | 95       |
| 76) Pentachlorobenzene        | 15.010 | 250  | 105950   | 20.517 | ng/ul  | 92       |
| 77) Carbazole                 | 17.841 | 167  | 330499   | 21.539 | ng/ul  | 95       |
| 78) Di-n-butylphthalate       | 18.382 | 149  | 357522   | 20.324 | ng/ul  | 97       |
| 80) Fluoranthene              | 19.486 | 202  | 501112   | 19.612 | ng/ul  | 99       |
| 82) Pyrene                    | 19.850 | 202  | 519211   | 19.543 | ng/ul  | 99       |
| 83) Butylbenzylphthalate      | 20.720 | 149  | 157844   | 20.022 | ng/ul  | 98       |
| 84) 3,3'-Dichlorobenzidine    | 21.595 | 252  | 185449   | 21.751 | ng/ul# | 97       |
| 85) Benzo(a)anthracene        | 21.683 | 228  | 538777   | 19.540 | ng/ul  | 99       |
| 86) Bis(2-ethylhexyl)phtha... | 21.566 | 149  | 223940   | 19.816 | ng/ul  | 97       |
| 87) Chrysene                  | 21.748 | 228  | 494687   | 19.515 | ng/ul  | 97       |
| 89) Di-n-octyl phthalate      | 22.776 | 149  | 369674   | 20.052 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 23.904 | 252  | 489677   | 19.778 | ng/ul  | 99       |
| 91) Benzo(k)fluoranthene      | 23.968 | 252  | 493436   | 19.965 | ng/ul  | 96       |
| 93) Benzo(a)pyrene            | 24.779 | 252  | 462371   | 19.941 | ng/ul  | 97       |
| 94) Indeno(1,2,3-cd)pyrene    | 28.621 | 276  | 528838   | 19.851 | ng/ul  | 96       |
| 95) Dibenzo(a,h)anthracene    | 28.668 | 278  | 442567   | 20.035 | ng/ul# | 97       |
| 96) Benzo(g,h,i)perylene      | 29.772 | 276  | 419128   | 19.652 | ng/ul  | 97       |

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

