

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG071624\  
 Data File : BG062104.D  
 Acq On : 16 Jul 2024 22:25  
 Operator : MA/JU  
 Sample : SSTDCCC020EC  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSTD020575

### Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 07/17/2024  
 Supervised By :mohammad ahmed 07/18/2024

Quant Time: Jul 17 02:09:33 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG070224.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Jul 16 12:23:16 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.050  | 152  | 31741    | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.864 | 136  | 186894   | 20.000 | ng/u1  | # 0.00   |
| 38) Acenaphthene-d10          | 14.683 | 164  | 124098   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.433 | 188  | 288748   | 20.000 | ng/u1  | # 0.00   |
| 79) Chrysene-d12              | 21.693 | 240  | 273634   | 20.000 | ng/u1  | # 0.00   |
| 88) Perylene-d12              | 24.918 | 264  | 296817   | 20.000 | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.443  | 96   | 5552     | 6.573  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.860  | 84   | 35970    | 13.850 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 7.227  | 99   | 78220    | 22.518 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.374  | 67   | 40128    | 18.242 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.586  | 132  | 55464    | 23.278 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.772  | 113  | 62752    | 22.944 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 9.225  | 128  | 25901    | 18.222 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.947  | 143  | 35392m   | 21.804 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.494 | 165  | 62029    | 19.812 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 11.005 | 131  | 91002    | 20.020 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 14.084 | 166  | 190436   | 18.666 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.383 | 160  | 216106   | 20.257 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.912 | 143  | 30360    | 18.634 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.676 | 176  | 187009   | 21.773 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.799 | 200  | 30609m   | 20.185 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.533 | 188  | 288772   | 21.420 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.812 | 212  | 334657   | 20.793 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.701 | 264  | 295060   | 20.044 | ng/u1  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.479  | 88   | 5198m    | 5.576  | ng/uL  |          |
| 5) Pyridine                   | 3.878  | 79   | 37229    | 13.977 | ng/u1# | 81       |
| 6) Benzaldehyde               | 7.186  | 77   | 47953    | 26.084 | ng/u1  | 92       |
| 8) Phenol                     | 7.251  | 94   | 76908    | 21.625 | ng/u1# | 85       |
| 10) Bis(2-Chloroethyl)ether   | 7.468  | 93   | 51747    | 18.941 | ng/u1  | 97       |
| 12) 2-Chlorophenol            | 7.621  | 128  | 53529    | 22.051 | ng/u1  | 95       |
| 13) 2-Methylphenol            | 8.502  | 108  | 51351    | 20.230 | ng/u1  | 87       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.578  | 45   | 97927    | 16.407 | ng/u1# | 96       |
| 16) Acetophenone              | 8.878  | 105  | 97023    | 21.476 | ng/u1  | 92       |
| 17) N-Nitroso-di-n-propyla... | 8.855  | 70   | 51021    | 20.173 | ng/u1  | 90       |
| 18) 4-Methylphenol            | 8.837  | 108  | 63709    | 22.412 | ng/u1  | 96       |
| 19) Hexachloroethane          | 9.131  | 117  | 25892    | 24.587 | ng/u1# | 76       |
| 22) Nitrobenzene              | 9.266  | 77   | 73602    | 18.242 | ng/u1  | 96       |
| 23) Isophorone                | 9.783  | 82   | 134760   | 14.784 | ng/u1# | 95       |
| 25) 2-Nitrophenol             | 9.971  | 139  | 32871    | 19.857 | ng/u1# | 88       |
| 26) 2,4-Dimethylphenol        | 10.041 | 107  | 79696    | 20.116 | ng/u1  | 91       |
| 27) Bis(2-Chloroethoxy)met... | 10.265 | 93   | 81298    | 16.196 | ng/u1  | 97       |
| 29) 2,4-Dichlorophenol        | 10.523 | 162  | 52957    | 18.007 | ng/u1  | 92       |
| 30) Naphthalene               | 10.917 | 128  | 206235   | 20.089 | ng/u1# | 94       |
| 32) 4-Chloroaniline           | 11.029 | 127  | 84121    | 18.860 | ng/u1  | 98       |
| 33) Hexachlorobutadiene       | 11.187 | 225  | 53627    | 24.231 | ng/u1  | 90       |
| 34) Caprolactam               | 11.792 | 113  | 18026m   | 15.644 | ng/u1  |          |
| 35) 4-Chloro-3-methylphenol   | 12.157 | 107  | 69214    | 17.671 | ng/u1  | 95       |
| 36) 2-Methylnaphthalene       | 12.515 | 142  | 149478   | 20.098 | ng/u1  | 97       |

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| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
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| 37) 1-Methylnaphthalene       | 12.738 | 142  | 158330   | 20.485 | ng/ul  | 96       |
| 39) 1,2,4,5-Tetrachloroben... | 12.879 | 216  | 91881    | 24.655 | ng/ul  | 91       |
| 40) Hexachlorocyclopentadiene | 12.850 | 237  | 41544    | 16.746 | ng/ul# | 89       |
| 41) 2,4,6-Trichlorophenol     | 13.132 | 196  | 46610    | 18.830 | ng/ul  | 94       |
| 42) 2,4,5-Trichlorophenol     | 13.208 | 196  | 53299    | 19.602 | ng/ul  | 86       |
| 43) 1,1'-Biphenyl             | 13.520 | 154  | 212480   | 22.222 | ng/ul  | 96       |
| 44) 2-Chloronaphthalene       | 13.567 | 162  | 164120   | 22.870 | ng/ul  | 94       |
| 45) 2-Nitroaniline            | 13.772 | 65   | 70200    | 24.428 | ng/ul  | 93       |
| 47) Dimethylphthalate         | 14.131 | 163  | 177585   | 18.096 | ng/ul  | 98       |
| 48) 2,6-Dinitrotoluene        | 14.260 | 165  | 39867    | 21.415 | ng/ul  | 93       |
| 50) Acenaphthylene            | 14.413 | 152  | 228067   | 19.478 | ng/ul  | 98       |
| 51) 3-Nitroaniline            | 14.595 | 138  | 37434    | 20.657 | ng/ul  | 96       |
| 52) Acenaphthene              | 14.748 | 153  | 175270   | 21.678 | ng/ul  | 95       |
| 53) 2,4-Dinitrophenol         | 14.806 | 184  | 18676    | 19.202 | ng/ul  | 94       |
| 55) 4-Nitrophenol             | 14.924 | 109  | 42591    | 22.904 | ng/ul  | 93       |
| 56) Dibenzofuran              | 15.083 | 168  | 253454   | 22.180 | ng/ul  | 94       |
| 57) 2,4-Dinitrotoluene        | 15.047 | 165  | 65115    | 23.850 | ng/ul# | 73       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.312 | 232  | 52049    | 21.198 | ng/ul# | 94       |
| 59) Diethylphthalate          | 15.488 | 149  | 222537   | 21.044 | ng/ul  | 95       |
| 61) Fluorene                  | 15.729 | 166  | 207997   | 21.404 | ng/ul  | 99       |
| 62) 4-Chlorophenyl-phenyle... | 15.717 | 204  | 111016   | 22.744 | ng/ul  | 91       |
| 63) 4-Nitroaniline            | 15.758 | 138  | 39063m   | 21.244 | ng/ul  |          |
| 66) 4,6-Dinitro-2-methylph... | 15.817 | 198  | 29967    | 18.362 | ng/ul# | 98       |
| 67) N-Nitrosodiphenylamine    | 15.935 | 169  | 154131   | 19.546 | ng/ul  | 96       |
| 68) 4-Bromophenyl-phenylether | 16.610 | 248  | 78646    | 24.008 | ng/ul  | 95       |
| 69) Hexachlorobenzene         | 16.728 | 284  | 92550    | 24.570 | ng/ul  | 97       |
| 70) Atrazine                  | 16.881 | 200  | 76975    | 24.728 | ng/ul  | 97       |
| 71) Pentachlorophenol         | 17.080 | 266  | 37783    | 18.249 | ng/ul  | 95       |
| 72) Phenanthrene              | 17.474 | 178  | 310087   | 20.367 | ng/ul  | 98       |
| 74) Anthracene                | 17.562 | 178  | 339131   | 21.554 | ng/ul  | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 13.490 | 216  | 92041    | 25.665 | ng/ul  | 96       |
| 76) Pentachlorobenzene        | 15.000 | 250  | 104505   | 25.549 | ng/ul  | 96       |
| 77) Carbazole                 | 17.838 | 167  | 293608   | 22.173 | ng/ul# | 96       |
| 78) Di-n-butylphthalate       | 18.373 | 149  | 314827   | 18.518 | ng/ul# | 97       |
| 80) Fluoranthene              | 19.477 | 202  | 389819   | 20.466 | ng/ul# | 92       |
| 82) Pyrene                    | 19.842 | 202  | 395437   | 20.098 | ng/ul# | 91       |
| 83) Butylbenzylphthalate      | 20.711 | 149  | 138821   | 16.812 | ng/ul  | 98       |
| 84) 3,3'-Dichlorobenzidine    | 21.587 | 252  | 152262   | 23.390 | ng/ul# | 95       |
| 85) Benzo(a)anthracene        | 21.675 | 228  | 400155   | 20.198 | ng/ul  | 98       |
| 86) Bis(2-ethylhexyl)phtha... | 21.557 | 149  | 230711   | 19.471 | ng/ul  | 98       |
| 87) Chrysene                  | 21.740 | 228  | 376891   | 20.321 | ng/ul  | 98       |
| 89) Di-n-octyl phthalate      | 22.768 | 149  | 351293   | 19.373 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 23.890 | 252  | 417472   | 22.324 | ng/ul# | 94       |
| 91) Benzo(k)fluoranthene      | 23.960 | 252  | 439064   | 23.545 | ng/ul# | 96       |
| 93) Benzo(a)pyrene            | 24.765 | 252  | 344943   | 19.479 | ng/ul# | 97       |
| 94) Indeno(1,2,3-cd)pyrene    | 28.602 | 276  | 445284m  | 19.677 | ng/ul  |          |
| 95) Dibenzo(a,h)anthracene    | 28.661 | 278  | 364519   | 19.504 | ng/ul  | 97       |
| 96) Benzo(g,h,i)perylene      | 29.760 | 276  | 404198m  | 22.452 | ng/ul  |          |

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

