

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG042823\  
 Data File : BG057244.D  
 Acq On : 29 Apr 2023 10:40  
 Operator : CG/JU  
 Sample : SSTDCCC020EC  
 Misc :  
 ALS Vial : 36 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSTD020467

Quant Time: May 01 00:56:50 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG042823.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Apr 28 23:37:02 2023  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Christian Giraldo 05/01/2023  
 Supervised By :Jagrut Upadhyay 05/01/2023

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.378  | 152  | 16199    | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 11.215 | 136  | 69243    | 20.000 | ng/u1  | # 0.00   |
| 38) Acenaphthene-d10          | 14.993 | 164  | 56379    | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.730 | 188  | 139137   | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 22.036 | 240  | 123449   | 20.000 | ng/u1  | # 0.00   |
| 88) Perylene-d12              | 25.549 | 264  | 128021   | 20.000 | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.661  | 96   | 2958     | 8.036  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 4.096  | 84   | 23457    | 20.212 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 7.515  | 99   | 32162    | 20.994 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.685  | 67   | 18105    | 20.093 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.908  | 132  | 21935    | 21.728 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 9.077  | 113  | 24613    | 21.139 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 9.559  | 128  | 11778    | 21.359 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 10.281 | 143  | 14392    | 22.364 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.828 | 165  | 28734    | 23.143 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 11.345 | 131  | 36079    | 21.925 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 14.376 | 166  | 92414    | 20.687 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.687 | 160  | 107757   | 21.462 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 15.175 | 143  | 13240m   | 20.361 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.974 | 176  | 90223    | 21.680 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 16.085 | 200  | 17527    | 21.261 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.824 | 188  | 137220   | 21.606 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 20.092 | 212  | 157850   | 21.542 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 25.308 | 264  | 141518   | 21.697 | ng/u1  | 0.01     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.690  | 88   | 3189     | 8.169  | ng/uL  | 89       |
| 5) Pyridine                   | 4.119  | 79   | 23876    | 19.517 | ng/u1  | 93       |
| 6) Benzaldehyde               | 7.503  | 77   | 9234     | 19.735 | ng/u1  | 90       |
| 8) Phenol                     | 7.538  | 94   | 32876    | 21.292 | ng/u1  | 97       |
| 10) Bis(2-Chloroethyl)ether   | 7.779  | 93   | 24326    | 21.050 | ng/u1  | 95       |
| 12) 2-Chlorophenol            | 7.938  | 128  | 23235    | 21.912 | ng/u1  | 97       |
| 13) 2-Methylphenol            | 8.813  | 108  | 24809    | 20.732 | ng/u1  | 85       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.889  | 45   | 29326    | 19.683 | ng/u1# | 95       |
| 16) Acetophenone              | 9.206  | 105  | 41584    | 20.755 | ng/u1  | 92       |
| 17) N-Nitroso-di-n-propyla... | 9.177  | 70   | 23274    | 20.215 | ng/u1  | 91       |
| 18) 4-Methylphenol            | 9.142  | 108  | 27232    | 21.024 | ng/u1  | 97       |
| 19) Hexachloroethane          | 9.477  | 117  | 10151    | 22.880 | ng/u1  | 99       |
| 22) Nitrobenzene              | 9.600  | 77   | 36430    | 22.186 | ng/u1  | 96       |
| 23) Isophorone                | 10.117 | 82   | 64722    | 20.717 | ng/u1  | 98       |
| 25) 2-Nitrophenol             | 10.317 | 139  | 14813    | 22.726 | ng/u1  | 91       |
| 26) 2,4-Dimethylphenol        | 10.358 | 107  | 32650    | 22.081 | ng/u1  | 98       |
| 27) Bis(2-Chloroethoxy)met... | 10.593 | 93   | 33436    | 20.589 | ng/u1  | 98       |
| 29) 2,4-Dichlorophenol        | 10.857 | 162  | 27205    | 23.085 | ng/u1  | 96       |
| 30) Naphthalene               | 11.268 | 128  | 82088    | 21.592 | ng/u1  | 98       |
| 32) 4-Chloroaniline           | 11.368 | 127  | 37482    | 21.861 | ng/u1  | 99       |
| 33) Hexachlorobutadiene       | 11.539 | 225  | 23036    | 23.046 | ng/u1  | 98       |
| 34) Caprolactam               | 12.120 | 113  | 8610m    | 21.702 | ng/u1  |          |
| 35) 4-Chloro-3-methylphenol   | 12.461 | 107  | 29437    | 21.709 | ng/u1  | 97       |
| 36) 2-Methylnaphthalene       | 12.843 | 142  | 61898    | 22.201 | ng/u1  | 96       |

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| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 37) 1-Methylnaphthalene       | 13.060 | 142  | 60868    | 21.712 | ng/ul# | 98       |
| 39) 1,2,4,5-Tetrachloroben... | 13.201 | 216  | 46239    | 22.569 | ng/ul  | 98       |
| 40) Hexachlorocyclopentadiene | 13.177 | 237  | 16263    | 15.906 | ng/ul  | 99       |
| 41) 2,4,6-Trichlorophenol     | 13.436 | 196  | 27560    | 23.097 | ng/ul  | 98       |
| 42) 2,4,5-Trichlorophenol     | 13.512 | 196  | 29483    | 23.013 | ng/ul  | 96       |
| 43) 1,1'-Biphenyl             | 13.824 | 154  | 88808    | 20.644 | ng/ul  | 98       |
| 44) 2-Chloronaphthalene       | 13.877 | 162  | 72135    | 21.626 | ng/ul  | 97       |
| 45) 2-Nitroaniline            | 14.076 | 65   | 22775    | 22.617 | ng/ul  | 95       |
| 47) Dimethylphthalate         | 14.423 | 163  | 92576    | 20.636 | ng/ul  | 99       |
| 48) 2,6-Dinitrotoluene        | 14.552 | 165  | 19998    | 21.661 | ng/ul  | 98       |
| 50) Acenaphthylene            | 14.717 | 152  | 107080   | 20.987 | ng/ul  | 97       |
| 51) 3-Nitroaniline            | 14.887 | 138  | 14080    | 21.524 | ng/ul# | 90       |
| 52) Acenaphthene              | 15.051 | 153  | 75232    | 20.695 | ng/ul  | 98       |
| 53) 2,4-Dinitrophenol         | 15.098 | 184  | 9512     | 19.347 | ng/ul  | 87       |
| 55) 4-Nitrophenol             | 15.187 | 109  | 15478    | 20.997 | ng/ul  | 90       |
| 56) Dibenzofuran              | 15.386 | 168  | 112079   | 21.350 | ng/ul  | 99       |
| 57) 2,4-Dinitrotoluene        | 15.339 | 165  | 28906    | 21.871 | ng/ul  | 98       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.609 | 232  | 26391    | 22.671 | ng/ul  | 96       |
| 59) Diethylphthalate          | 15.768 | 149  | 94660    | 20.769 | ng/ul  | 99       |
| 61) Fluorene                  | 16.027 | 166  | 93049    | 20.961 | ng/ul  | 100      |
| 62) 4-Chlorophenyl-phenyle... | 16.009 | 204  | 56101    | 21.653 | ng/ul  | 98       |
| 63) 4-Nitroaniline            | 16.044 | 138  | 10415    | 16.812 | ng/ul  | 93       |
| 66) 4,6-Dinitro-2-methylph... | 16.103 | 198  | 18100    | 21.547 | ng/ul  | 97       |
| 67) N-Nitrosodiphenylamine    | 16.220 | 169  | 78339    | 21.554 | ng/ul  | 98       |
| 68) 4-Bromophenyl-phenylether | 16.902 | 248  | 37028    | 22.266 | ng/ul  | 95       |
| 69) Hexachlorobenzene         | 17.031 | 284  | 39388    | 22.492 | ng/ul  | 95       |
| 70) Atrazine                  | 17.154 | 200  | 35335    | 21.875 | ng/ul  | 98       |
| 71) Pentachlorophenol         | 17.378 | 266  | 16436    | 20.305 | ng/ul  | 94       |
| 72) Phenanthrene              | 17.771 | 178  | 151588   | 20.921 | ng/ul  | 100      |
| 74) Anthracene                | 17.859 | 178  | 155042   | 21.302 | ng/ul  | 98       |
| 75) 1,2,3,4-Tetrachloroben... | 13.800 | 216  | 47143    | 22.527 | ng/uL  | 97       |
| 76) Pentachlorobenzene        | 15.304 | 250  | 48526    | 22.780 | ng/uL  | 97       |
| 77) Carbazole                 | 18.124 | 167  | 129358   | 21.268 | ng/ul  | 99       |
| 78) Di-n-butylphthalate       | 18.647 | 149  | 151078   | 21.722 | ng/ul  | 100      |
| 80) Fluoranthene              | 19.757 | 202  | 185779   | 21.343 | ng/ul  | 98       |
| 82) Pyrene                    | 20.121 | 202  | 186862   | 21.206 | ng/ul  | 97       |
| 83) Butylbenzylphthalate      | 20.973 | 149  | 62305    | 22.079 | ng/ul  | 99       |
| 84) 3,3'-Dichlorobenzidine    | 21.913 | 252  | 65932    | 24.048 | ng/ul  | 99       |
| 85) Benzo(a)anthracene        | 22.018 | 228  | 188544   | 21.595 | ng/ul  | 99       |
| 86) Bis(2-ethylhexyl)phtha... | 21.866 | 149  | 88839    | 21.646 | ng/ul  | 96       |
| 87) Chrysene                  | 22.089 | 228  | 171924   | 20.871 | ng/ul  | 98       |
| 89) Di-n-octyl phthalate      | 23.164 | 149  | 149553   | 21.154 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 24.421 | 252  | 190879   | 21.531 | ng/ul# | 99       |
| 91) Benzo(k)fluoranthene      | 24.497 | 252  | 184182   | 21.355 | ng/ul# | 98       |
| 93) Benzo(a)pyrene            | 25.379 | 252  | 161335   | 21.079 | ng/ul# | 96       |
| 94) Indeno(1,2,3-cd)pyrene    | 29.591 | 276  | 208219   | 21.764 | ng/ul# | 97       |
| 95) Dibenzo(a,h)anthracene    | 29.655 | 278  | 174565   | 22.004 | ng/ul  | 99       |
| 96) Benzo(g,h,i)perylene      | 30.877 | 276  | 167889m  | 21.683 | ng/ul  |          |

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

