

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG071221\  
 Data File : BG049301.D  
 Acq On : 12 Jul 2021 15:15  
 Operator : CG/JU  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSTD020208

Manual Integrations  
 APPROVED

mohammad  
 7/13/2021 4:40:05 PM

Quant Time: Jul 12 16:02:54 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SFAM-EPA-BG070921.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Jul 09 03:15:38 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.067  | 152  | 23765    | 20.000 | ng/ul  | -0.01    |
| 20) Naphthalene-d8            | 10.888 | 136  | 101332   | 20.000 | ng/ul  | # 0.00   |
| 38) Acenaphthene-d10          | 14.713 | 164  | 74775    | 20.000 | ng/ul  | 0.00     |
| 64) Phenanthrene-d10          | 17.462 | 188  | 184942   | 20.000 | ng/ul  | 0.00     |
| 79) Chrysene-d12              | 21.746 | 240  | 194810   | 20.000 | ng/ul  | 0.00     |
| 88) Perylene-d12              | 25.042 | 264  | 201301   | 20.000 | ng/ul  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.455  | 96   | 5052m    | 10.000 | ng/uL  | -0.01    |
| 4) Pyridine-d5                | 3.884  | 84   | 29365    | 19.767 | ng/ul  | 0.00     |
| 7) Phenol-d5                  | 7.221  | 99   | 44384    | 21.471 | ng/ul  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.392  | 67   | 26474    | 22.081 | ng/ul  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.597  | 132  | 34311    | 22.457 | ng/ul  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.773  | 113  | 37953    | 22.914 | ng/ul  | 0.00     |
| 21) Nitrobenzene-d5           | 9.231  | 128  | 17260    | 22.197 | ng/ul  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.965  | 143  | 20214    | 22.646 | ng/ul  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.506 | 165  | 39671    | 22.777 | ng/ul  | 0.00     |
| 31) 4-Chloroaniline-d4        | 11.023 | 131  | 47242    | 20.814 | ng/ul  | 0.00     |
| 46) Dimethylphthalate-d6      | 14.113 | 166  | 134710   | 23.425 | ng/ul  | 0.00     |
| 49) Acenaphthylene-d8         | 14.407 | 160  | 152587   | 22.614 | ng/ul  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.907 | 143  | 20710    | 21.758 | ng/ul  | 0.00     |
| 60) Fluorene-d10              | 15.706 | 176  | 112719   | 23.151 | ng/ul  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.823 | 200  | 22101    | 18.801 | ng/ul  | 0.00     |
| 73) Anthracene-d10            | 17.562 | 188  | 192650   | 22.879 | ng/ul  | 0.00     |
| 81) Pyrene-d10                | 19.848 | 212  | 232984   | 23.334 | ng/ul  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.813 | 264  | 238841   | 22.824 | ng/ul  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.490  | 88   | 5914     | 9.612  | ng/uL  | 86       |
| 5) Pyridine                   | 3.896  | 79   | 31774    | 19.280 | ng/ul  | 92       |
| 6) Benzaldehyde               | 7.198  | 77   | 31764    | 25.542 | ng/ul  | 87       |
| 8) Phenol                     | 7.245  | 94   | 44905    | 21.721 | ng/ul# | 87       |
| 10) Bis(2-Chloroethyl)ether   | 7.480  | 93   | 34345    | 22.343 | ng/ul# | 81       |
| 12) 2-Chlorophenol            | 7.627  | 128  | 33959    | 22.021 | ng/ul  | 96       |
| 13) 2-Methylphenol            | 8.508  | 108  | 34858    | 22.136 | ng/ul  | 89       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.596  | 45   | 57649    | 23.316 | ng/ul  | 97       |
| 16) Acetophenone              | 8.896  | 105  | 61199    | 22.525 | ng/ul# | 93       |
| 17) N-Nitroso-di-n-propyla... | 8.872  | 70   | 32614    | 23.624 | ng/ul# | 88       |
| 18) 4-Methylphenol            | 8.837  | 108  | 37649    | 22.981 | ng/ul  | 94       |
| 19) Hexachloroethane          | 9.160  | 117  | 16207    | 23.211 | ng/ul  | 90       |
| 22) Nitrobenzene              | 9.278  | 77   | 49447    | 22.549 | ng/ul# | 95       |
| 23) Isophorone                | 9.801  | 82   | 88497    | 23.363 | ng/ul  | 99       |
| 25) 2-Nitrophenol             | 9.995  | 139  | 21465    | 23.571 | ng/ul  | 91       |
| 26) 2,4-Dimethylphenol        | 10.048 | 107  | 46520    | 23.071 | ng/ul  | 99       |
| 27) Bis(2-Chloroethoxy)met... | 10.288 | 93   | 46060    | 22.807 | ng/ul# | 87       |
| 29) 2,4-Dichlorophenol        | 10.535 | 162  | 36558    | 22.971 | ng/ul  | 94       |
| 30) Naphthalene               | 10.941 | 128  | 114549   | 22.673 | ng/ul  | 100      |
| 32) 4-Chloroaniline           | 11.046 | 127  | 46350    | 20.712 | ng/ul  | 93       |
| 33) Hexachlorobutadiene       | 11.223 | 225  | 29895    | 22.151 | ng/ul  | 92       |
| 34) Caprolactam               | 11.834 | 113  | 12949m   | 23.389 | ng/ul  |          |
| 35) 4-Chloro-3-methylphenol   | 12.163 | 107  | 44078    | 24.794 | ng/ul  | 93       |
| 36) 2-Methylnaphthalene       | 12.545 | 142  | 91047    | 23.719 | ng/ul  | 91       |

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| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 37) 1-Methylnaphthalene       | 12.762 | 142  | 87231    | 22.851 | ng/ul# | 87       |
| 39) 1,2,4,5-Tetrachloroben... | 12.909 | 216  | 54279    | 23.111 | ng/ul  | 95       |
| 40) Hexachlorocyclopentadiene | 12.891 | 237  | 29572    | 18.959 | ng/ul  | 98       |
| 41) 2,4,6-Trichlorophenol     | 13.150 | 196  | 35360    | 23.275 | ng/ul  | 96       |
| 42) 2,4,5-Trichlorophenol     | 13.220 | 196  | 35893    | 22.213 | ng/ul  | 96       |
| 43) 1,1'-Biphenyl             | 13.543 | 154  | 116423   | 23.046 | ng/ul  | 96       |
| 44) 2-Chloronaphthalene       | 13.590 | 162  | 90570    | 22.882 | ng/ul  | 95       |
| 45) 2-Nitroaniline            | 13.790 | 65   | 36086    | 24.867 | ng/ul  | 93       |
| 47) Dimethylphthalate         | 14.160 | 163  | 126189   | 23.641 | ng/ul# | 99       |
| 48) 2,6-Dinitrotoluene        | 14.284 | 165  | 26607    | 23.146 | ng/ul  | 94       |
| 50) Acenaphthylene            | 14.437 | 152  | 142861   | 23.807 | ng/ul  | 97       |
| 51) 3-Nitroaniline            | 14.613 | 138  | 24867    | 23.756 | ng/ul  | 92       |
| 52) Acenaphthene              | 14.777 | 153  | 100270   | 23.008 | ng/ul  | 97       |
| 53) 2,4-Dinitrophenol         | 14.824 | 184  | 14445    | 19.828 | ng/ul  | 91       |
| 55) 4-Nitrophenol             | 14.924 | 109  | 26457    | 22.019 | ng/ul  | 91       |
| 56) Dibenzofuran              | 15.112 | 168  | 145264   | 23.520 | ng/ul  | 94       |
| 57) 2,4-Dinitrotoluene        | 15.071 | 165  | 40445    | 24.382 | ng/ul# | 99       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.341 | 232  | 33669    | 22.220 | ng/ul# | 95       |
| 59) Diethylphthalate          | 15.523 | 149  | 136959   | 23.871 | ng/ul  | 99       |
| 61) Fluorene                  | 15.764 | 166  | 122192   | 23.376 | ng/ul# | 89       |
| 62) 4-Chlorophenyl-phenyle... | 15.753 | 204  | 69317    | 24.122 | ng/ul  | 98       |
| 63) 4-Nitroaniline            | 15.776 | 138  | 27718    | 26.974 | ng/ul  | 95       |
| 66) 4,6-Dinitro-2-methylph... | 15.835 | 198  | 21491    | 19.212 | ng/ul# | 97       |
| 67) N-Nitrosodiphenylamine    | 15.964 | 169  | 104904   | 22.279 | ng/ul  | 98       |
| 68) 4-Bromophenyl-phenylether | 16.646 | 248  | 45459    | 22.038 | ng/ul  | 96       |
| 69) Hexachlorobenzene         | 16.769 | 284  | 54003    | 23.117 | ng/ul  | 95       |
| 70) Atrazine                  | 16.910 | 200  | 45815    | 21.260 | ng/ul  | 98       |
| 71) Pentachlorophenol         | 17.116 | 266  | 31181    | 22.364 | ng/ul  | 97       |
| 72) Phenanthrene              | 17.509 | 178  | 208920   | 23.160 | ng/ul  | 99       |
| 74) Anthracene                | 17.598 | 178  | 211878   | 22.993 | ng/ul  | 98       |
| 75) 1,2,3,4-Tetrachloroben... | 13.514 | 216  | 54858    | 21.743 | ng/ul  | 95       |
| 76) Pentachlorobenzene        | 15.030 | 250  | 58258    | 21.766 | ng/ul  | 97       |
| 77) Carbazole                 | 17.868 | 167  | 191050   | 23.241 | ng/ul  | 98       |
| 78) Di-n-butylphthalate       | 18.420 | 149  | 229611   | 22.325 | ng/ul  | 99       |
| 80) Fluoranthene              | 19.513 | 202  | 271839   | 23.409 | ng/ul  | 98       |
| 82) Pyrene                    | 19.877 | 202  | 270441   | 23.373 | ng/ul  | 99       |
| 83) Butylbenzylphthalate      | 20.759 | 149  | 101551   | 22.356 | ng/ul  | 98       |
| 84) 3,3'-Dichlorobenzidine    | 21.640 | 252  | 102556   | 22.532 | ng/ul  | 97       |
| 85) Benzo(a)anthracene        | 21.728 | 228  | 272301   | 22.745 | ng/ul  | 98       |
| 86) Bis(2-ethylhexyl)phtha... | 21.628 | 149  | 145144   | 21.907 | ng/ul  | 99       |
| 87) Chrysene                  | 21.793 | 228  | 253833   | 22.415 | ng/ul  | 98       |
| 89) Di-n-octyl phthalate      | 22.862 | 149  | 248145   | 21.900 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 23.990 | 252  | 280630   | 22.598 | ng/ul# | 99       |
| 91) Benzo(k)fluoranthene      | 24.061 | 252  | 277329   | 22.904 | ng/ul  | 99       |
| 93) Benzo(a)pyrene            | 24.877 | 252  | 244161   | 22.341 | ng/ul  | 96       |
| 94) Indeno(1,2,3-cd)pyrene    | 28.796 | 276  | 316657   | 22.457 | ng/ul# | 97       |
| 95) Dibenzo(a,h)anthracene    | 28.861 | 278  | 267887   | 22.937 | ng/ul  | 99       |
| 96) Benzo(g,h,i)perylene      | 29.971 | 276  | 265385m  | 22.764 | ng/ul  |          |

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

