

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG090221\  
 Data File : BG050115.D  
 Acq On : 3 Sep 2021 4:02  
 Operator : CG/JU  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSTD020509

Manual Integrations  
 APPROVED

mohammad  
 9/3/2021 3:32:23 PM

Quant Time: Sep 03 05:26:27 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SFAM-EPA-BG081921.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Aug 30 14:59:55 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.948  | 152  | 31506    | 20.000 | ng/ul  | 0.00     |
| 20) Naphthalene-d8            | 10.768 | 136  | 132415   | 20.000 | ng/ul  | -0.01    |
| 38) Acenaphthene-d10          | 14.616 | 164  | 90780    | 20.000 | ng/ul  | 0.00     |
| 64) Phenanthrene-d10          | 17.365 | 188  | 194816   | 20.000 | ng/ul  | #-0.01   |
| 79) Chrysene-d12              | 21.642 | 240  | 193041   | 20.000 | ng/ul  | 0.00     |
| 88) Perylene-d12              | 24.861 | 264  | 198831   | 20.000 | ng/ul  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.302  | 96   | 5626m    | 9.208  | ng/uL  | -0.01    |
| 4) Pyridine-d5                | 3.736  | 84   | 37512    | 20.383 | ng/ul  | 0.00     |
| 7) Phenol-d5                  | 7.120  | 99   | 52994    | 19.808 | ng/ul  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.267  | 67   | 29709    | 19.988 | ng/ul  | -0.01    |
| 11) 2-Chlorophenol-d4         | 7.484  | 132  | 41375    | 20.669 | ng/ul  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.671  | 113  | 42363    | 20.106 | ng/ul  | -0.01    |
| 21) Nitrobenzene-d5           | 9.117  | 128  | 20756    | 20.218 | ng/ul  | -0.01    |
| 24) 2-Nitrophenol-d4          | 9.852  | 143  | 24485    | 20.030 | ng/ul  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.404 | 165  | 44373    | 20.352 | ng/ul  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.915 | 131  | 60304    | 20.321 | ng/ul  | 0.00     |
| 46) Dimethylphthalate-d6      | 14.011 | 166  | 133457   | 19.209 | ng/ul  | -0.01    |
| 49) Acenaphthylene-d8         | 14.310 | 160  | 161950   | 19.881 | ng/ul  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.839 | 143  | 16154    | 16.071 | ng/ul  | 0.00     |
| 60) Fluorene-d10              | 15.609 | 176  | 113862   | 19.330 | ng/ul  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.750 | 200  | 23338m   | 18.621 | ng/ul  | 0.00     |
| 73) Anthracene-d10            | 17.471 | 188  | 176253   | 20.147 | ng/ul  | 0.00     |
| 81) Pyrene-d10                | 19.762 | 212  | 203901   | 19.546 | ng/ul  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.638 | 264  | 206246   | 19.552 | ng/ul  | -0.01    |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.337  | 88   | 6453     | 8.664  | ng/uL# | 90       |
| 5) Pyridine                   | 3.754  | 79   | 39381    | 19.799 | ng/ul# | 87       |
| 6) Benzaldehyde               | 7.085  | 77   | 29936    | 19.444 | ng/ul  | 96       |
| 8) Phenol                     | 7.149  | 94   | 50800    | 18.799 | ng/ul  | 96       |
| 10) Bis(2-Chloroethyl)ether   | 7.361  | 93   | 38896    | 20.851 | ng/ul  | 98       |
| 12) 2-Chlorophenol            | 7.514  | 128  | 39784    | 20.112 | ng/ul# | 83       |
| 13) 2-Methylphenol            | 8.407  | 108  | 40914    | 19.625 | ng/ul  | 99       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.471  | 45   | 39100    | 19.988 | ng/ul  | 97       |
| 16) Acetophenone              | 8.777  | 105  | 69125    | 20.117 | ng/ul  | 96       |
| 17) N-Nitroso-di-n-propyla... | 8.759  | 70   | 34723    | 20.125 | ng/ul  | 98       |
| 18) 4-Methylphenol            | 8.736  | 108  | 43835m   | 19.544 | ng/ul  |          |
| 19) Hexachloroethane          | 9.035  | 117  | 18085    | 20.891 | ng/ul  | 94       |
| 22) Nitrobenzene              | 9.164  | 77   | 55737    | 20.037 | ng/ul  | 100      |
| 23) Isophorone                | 9.687  | 82   | 97893    | 19.752 | ng/ul# | 94       |
| 25) 2-Nitrophenol             | 9.881  | 139  | 23550    | 19.816 | ng/ul# | 88       |
| 26) 2,4-Dimethylphenol        | 9.946  | 107  | 53272    | 20.170 | ng/ul  | 94       |
| 27) Bis(2-Chloroethoxy)met... | 10.169 | 93   | 52399    | 20.474 | ng/ul  | 98       |
| 29) 2,4-Dichlorophenol        | 10.427 | 162  | 41314    | 20.645 | ng/ul  | 93       |
| 30) Naphthalene               | 10.821 | 128  | 131309   | 19.840 | ng/ul# | 94       |
| 32) 4-Chloroaniline           | 10.933 | 127  | 57942    | 20.274 | ng/ul  | 92       |
| 33) Hexachlorobutadiene       | 11.097 | 225  | 32844    | 20.288 | ng/ul  | 95       |
| 34) Caprolactam               | 11.731 | 113  | 13103m   | 18.693 | ng/ul  |          |
| 35) 4-Chloro-3-methylphenol   | 12.072 | 107  | 48251    | 20.175 | ng/ul  | 97       |
| 36) 2-Methylnaphthalene       | 12.436 | 142  | 98513    | 20.024 | ng/ul  | 96       |

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|-------------------------------|--------|------|----------|--------|--------|----------|
| 37) 1-Methylnaphthalene       | 12.654 | 142  | 98339    | 19.802 | ng/ul# | 99       |
| 39) 1,2,4,5-Tetrachloroben... | 12.807 | 216  | 54496    | 20.438 | ng/ul# | 97       |
| 40) Hexachlorocyclopentadiene | 12.777 | 237  | 26849    | 22.500 | ng/ul  | 92       |
| 41) 2,4,6-Trichlorophenol     | 13.053 | 196  | 34084    | 20.059 | ng/ul  | 90       |
| 42) 2,4,5-Trichlorophenol     | 13.135 | 196  | 33908    | 19.040 | ng/ul  | 89       |
| 43) 1,1'-Biphenyl             | 13.441 | 154  | 125364   | 19.767 | ng/ul  | 99       |
| 44) 2-Chloronaphthalene       | 13.488 | 162  | 99823    | 19.595 | ng/ul  | 98       |
| 45) 2-Nitroaniline            | 13.699 | 65   | 32890    | 19.016 | ng/ul  | 98       |
| 47) Dimethylphthalate         | 14.058 | 163  | 128438   | 18.680 | ng/ul  | 98       |
| 48) 2,6-Dinitrotoluene        | 14.193 | 165  | 27322    | 19.247 | ng/ul  | 93       |
| 50) Acenaphthylene            | 14.334 | 152  | 150145   | 20.167 | ng/ul  | 99       |
| 51) 3-Nitroaniline            | 14.528 | 138  | 20717    | 15.124 | ng/ul  | 91       |
| 52) Acenaphthene              | 14.675 | 153  | 107294   | 19.866 | ng/ul  | 96       |
| 53) 2,4-Dinitrophenol         | 14.757 | 184  | 14676    | 20.242 | ng/ul# | 76       |
| 55) 4-Nitrophenol             | 14.857 | 109  | 26657    | 20.917 | ng/ul  | 95       |
| 56) Dibenzofuran              | 15.015 | 168  | 145522   | 19.457 | ng/ul  | 98       |
| 57) 2,4-Dinitrotoluene        | 14.992 | 165  | 39900    | 19.541 | ng/ul  | 93       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.250 | 232  | 29169    | 19.766 | ng/ul# | 87       |
| 59) Diethylphthalate          | 15.426 | 149  | 132569   | 18.848 | ng/ul  | 99       |
| 61) Fluorene                  | 15.667 | 166  | 125151   | 19.834 | ng/ul  | 92       |
| 62) 4-Chlorophenyl-phenyle... | 15.650 | 204  | 64419    | 19.295 | ng/ul  | 99       |
| 63) 4-Nitroaniline            | 15.691 | 138  | 18752    | 13.718 | ng/ul  | 91       |
| 66) 4,6-Dinitro-2-methylph... | 15.761 | 198  | 20855    | 18.358 | ng/ul# | 93       |
| 67) N-Nitrosodiphenylamine    | 15.867 | 169  | 105417   | 20.553 | ng/ul  | 99       |
| 68) 4-Bromophenyl-phenylether | 16.548 | 248  | 46093    | 21.388 | ng/ul  | 97       |
| 69) Hexachlorobenzene         | 16.678 | 284  | 52061    | 20.920 | ng/ul  | 96       |
| 70) Atrazine                  | 16.819 | 200  | 46061    | 20.215 | ng/ul  | 95       |
| 71) Pentachlorophenol         | 17.030 | 266  | 17402m   | 16.514 | ng/ul  |          |
| 72) Phenanthrene              | 17.412 | 178  | 203172   | 20.919 | ng/ul  | 99       |
| 74) Anthracene                | 17.506 | 178  | 203559   | 20.683 | ng/ul  | 95       |
| 75) 1,2,3,4-Tetrachloroben... | 13.412 | 216  | 57833    | 22.126 | ng/ul  | 87       |
| 76) Pentachlorobenzene        | 14.939 | 250  | 61000    | 22.025 | ng/ul  | 97       |
| 77) Carbazole                 | 17.776 | 167  | 179452   | 20.491 | ng/ul  | 99       |
| 78) Di-n-butylphthalate       | 18.323 | 149  | 229271   | 20.469 | ng/ul  | 98       |
| 80) Fluoranthene              | 19.427 | 202  | 253178   | 19.668 | ng/ul# | 97       |
| 82) Pyrene                    | 19.791 | 202  | 252734   | 19.813 | ng/ul  | 99       |
| 83) Butylbenzylphthalate      | 20.661 | 149  | 98552    | 19.578 | ng/ul  | 95       |
| 84) 3,3'-Dichlorobenzidine    | 21.536 | 252  | 79957    | 17.473 | ng/ul  | 93       |
| 85) Benzo(a)anthracene        | 21.624 | 228  | 241094   | 20.044 | ng/ul  | 99       |
| 86) Bis(2-ethylhexyl)phtha... | 21.512 | 149  | 139875   | 20.234 | ng/ul  | 94       |
| 87) Chrysene                  | 21.689 | 228  | 229285   | 20.165 | ng/ul  | 96       |
| 89) Di-n-octyl phthalate      | 22.711 | 149  | 230999   | 19.584 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 23.839 | 252  | 244829   | 19.250 | ng/ul# | 99       |
| 91) Benzo(k)fluoranthene      | 23.897 | 252  | 237451   | 19.641 | ng/ul  | 100      |
| 93) Benzo(a)pyrene            | 24.714 | 252  | 217109   | 19.656 | ng/ul  | 100      |
| 94) Indeno(1,2,3-cd)pyrene    | 28.544 | 276  | 279326   | 19.171 | ng/ul# | 97       |
| 95) Dibenzo(a,h)anthracene    | 28.603 | 278  | 230840   | 18.926 | ng/ul# | 96       |
| 96) Benzo(g,h,i)perylene      | 29.701 | 276  | 230409   | 18.810 | ng/ul  | 99       |

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

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