

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG072621\  
 Data File : BG049483.D  
 Acq On : 26 Jul 2021 18:00  
 Operator : CG/JU  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSTD020460

Manual Integrations  
 APPROVED

mohammad  
 7/27/2021 12:06:47 PM

Quant Time: Jul 27 02:58:50 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SFAM-EPA-BG072421.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Jul 26 11:36:47 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.049  | 152  | 23396    | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.874 | 136  | 95660    | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.699 | 164  | 67039    | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.448 | 188  | 161015   | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.730 | 240  | 156176   | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 25.002 | 264  | 156220   | 20.000 | ng/u1  | # 0.00   |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.437  | 96   | 3690m    | 7.216  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.854  | 84   | 27292    | 18.581 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 7.203  | 99   | 40691    | 19.658 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.367  | 67   | 22815    | 19.461 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.579  | 132  | 30255    | 20.390 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.760  | 113  | 30528    | 19.566 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 9.218  | 128  | 14997    | 20.391 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.946  | 143  | 17620    | 20.445 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.487 | 165  | 32696    | 20.859 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 11.004 | 131  | 43140    | 19.748 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 14.099 | 166  | 98532    | 19.187 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.393 | 160  | 113547   | 19.037 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.898 | 143  | 17696    | 20.925 | ng/u1  | 0.01     |
| 60) Fluorene-d10              | 15.691 | 176  | 90091    | 20.364 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.809 | 200  | 17120    | 17.158 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.548 | 188  | 144439m  | 19.301 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.833 | 212  | 170779   | 21.385 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.779 | 264  | 170945   | 20.820 | ng/u1  | 0.01     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.467  | 88   | 4933m    | 7.057  | ng/uL  |          |
| 5) Pyridine                   | 3.872  | 79   | 27938    | 17.782 | ng/u1  | 85       |
| 6) Benzaldehyde               | 7.185  | 77   | 27498    | 22.262 | ng/u1  | 97       |
| 8) Phenol                     | 7.232  | 94   | 43487    | 21.506 | ng/u1  | 98       |
| 10) Bis(2-Chloroethyl)ether   | 7.461  | 93   | 28100    | 20.171 | ng/u1  | 96       |
| 12) 2-Chlorophenol            | 7.614  | 128  | 29782    | 20.849 | ng/u1  | 94       |
| 13) 2-Methylphenol            | 8.489  | 108  | 33242    | 21.570 | ng/u1  | 92       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.578  | 45   | 32432    | 19.866 | ng/u1  | 93       |
| 16) Acetophenone              | 8.871  | 105  | 55045    | 21.920 | ng/u1# | 95       |
| 17) N-Nitroso-di-n-propyla... | 8.854  | 70   | 28157    | 21.744 | ng/u1# | 97       |
| 18) 4-Methylphenol            | 8.818  | 108  | 34611    | 21.348 | ng/u1  | 92       |
| 19) Hexachloroethane          | 9.141  | 117  | 14168    | 22.016 | ng/u1# | 83       |
| 22) Nitrobenzene              | 9.259  | 77   | 46655    | 21.246 | ng/u1  | 99       |
| 23) Isophorone                | 9.782  | 82   | 76566    | 20.808 | ng/u1  | 99       |
| 25) 2-Nitrophenol             | 9.981  | 139  | 18476    | 22.780 | ng/u1  | 89       |
| 26) 2,4-Dimethylphenol        | 10.028 | 107  | 43098    | 22.296 | ng/u1  | 99       |
| 27) Bis(2-Chloroethoxy)met... | 10.269 | 93   | 37707    | 20.546 | ng/u1# | 93       |
| 29) 2,4-Dichlorophenol        | 10.516 | 162  | 32271    | 21.061 | ng/u1# | 89       |
| 30) Naphthalene               | 10.921 | 128  | 105196   | 21.349 | ng/u1  | 99       |
| 32) 4-Chloroaniline           | 11.027 | 127  | 42015    | 20.219 | ng/u1# | 84       |
| 33) Hexachlorobutadiene       | 11.203 | 225  | 25152    | 21.470 | ng/u1  | 97       |
| 34) Caprolactam               | 11.791 | 113  | 10608    | 20.356 | ng/u1  | 86       |
| 35) 4-Chloro-3-methylphenol   | 12.149 | 107  | 38609    | 22.394 | ng/u1  | 99       |
| 36) 2-Methylnaphthalene       | 12.525 | 142  | 76389    | 21.182 | ng/u1  | 96       |

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|-------------------------------|--------|------|----------|--------|--------|----------|
| 37) 1-Methylnaphthalene       | 12.742 | 142  | 75691    | 20.770 | ng/ul  | 94       |
| 39) 1,2,4,5-Tetrachloroben... | 12.895 | 216  | 41652    | 20.904 | ng/ul  | 92       |
| 40) Hexachlorocyclopentadiene | 12.872 | 237  | 18964    | 15.796 | ng/ul  | 99       |
| 41) 2,4,6-Trichlorophenol     | 13.130 | 196  | 26924    | 21.989 | ng/ul# | 82       |
| 42) 2,4,5-Trichlorophenol     | 13.207 | 196  | 29685    | 22.701 | ng/ul  | 97       |
| 43) 1,1'-Biphenyl             | 13.530 | 154  | 99683    | 20.881 | ng/ul# | 97       |
| 44) 2-Chloronaphthalene       | 13.577 | 162  | 78622    | 21.164 | ng/ul  | 91       |
| 45) 2-Nitroaniline            | 13.776 | 65   | 30130    | 22.855 | ng/ul  | 92       |
| 47) Dimethylphthalate         | 14.146 | 163  | 103911   | 20.807 | ng/ul  | 99       |
| 48) 2,6-Dinitrotoluene        | 14.264 | 165  | 22075    | 22.149 | ng/ul# | 91       |
| 50) Acenaphthylene            | 14.423 | 152  | 121786   | 21.381 | ng/ul# | 95       |
| 51) 3-Nitroaniline            | 14.599 | 138  | 22270    | 22.404 | ng/ul  | 85       |
| 52) Acenaphthene              | 14.763 | 153  | 87307    | 21.371 | ng/ul  | 95       |
| 53) 2,4-Dinitrophenol         | 14.804 | 184  | 9786     | 19.708 | ng/ul# | 75       |
| 55) 4-Nitrophenol             | 14.910 | 109  | 24263    | 21.159 | ng/ul  | 96       |
| 56) Dibenzofuran              | 15.098 | 168  | 117992   | 21.390 | ng/ul  | 98       |
| 57) 2,4-Dinitrotoluene        | 15.057 | 165  | 32805    | 23.221 | ng/ul# | 94       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.321 | 232  | 27827    | 23.450 | ng/ul  | 96       |
| 59) Diethylphthalate          | 15.509 | 149  | 107332   | 20.767 | ng/ul  | 100      |
| 61) Fluorene                  | 15.744 | 166  | 100305   | 21.419 | ng/ul  | 94       |
| 62) 4-Chlorophenyl-phenyle... | 15.738 | 204  | 51920    | 21.298 | ng/ul  | 91       |
| 63) 4-Nitroaniline            | 15.762 | 138  | 25195    | 25.560 | ng/ul  | 93       |
| 66) 4,6-Dinitro-2-methylph... | 15.821 | 198  | 17194    | 18.720 | ng/ul# | 88       |
| 67) N-Nitrosodiphenylamine    | 15.950 | 169  | 87247    | 20.676 | ng/ul  | 99       |
| 68) 4-Bromophenyl-phenylether | 16.631 | 248  | 35977    | 20.067 | ng/ul  | 96       |
| 69) Hexachlorobenzene         | 16.755 | 284  | 42878    | 21.138 | ng/ul  | 99       |
| 70) Atrazine                  | 16.896 | 200  | 40499    | 21.014 | ng/ul  | 97       |
| 71) Pentachlorophenol         | 17.095 | 266  | 21004    | 22.363 | ng/ul  | 93       |
| 72) Phenanthrene              | 17.489 | 178  | 173083   | 20.648 | ng/ul  | 97       |
| 74) Anthracene                | 17.583 | 178  | 178316   | 20.992 | ng/ul  | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 13.500 | 216  | 44973    | 20.555 | ng/uL  | 96       |
| 76) Pentachlorobenzene        | 15.016 | 250  | 48774    | 21.069 | ng/uL  | 97       |
| 77) Carbazole                 | 17.847 | 167  | 158159   | 20.826 | ng/ul  | 96       |
| 78) Di-n-butylphthalate       | 18.405 | 149  | 190452   | 20.167 | ng/ul  | 97       |
| 80) Fluoranthene              | 19.498 | 202  | 221571   | 22.851 | ng/ul  | 99       |
| 82) Pyrene                    | 19.862 | 202  | 217542   | 22.597 | ng/ul  | 100      |
| 83) Butylbenzylphthalate      | 20.738 | 149  | 81805    | 21.826 | ng/ul  | 96       |
| 84) 3,3'-Dichlorobenzidine    | 21.619 | 252  | 67704    | 18.867 | ng/ul  | 99       |
| 85) Benzo(a)anthracene        | 21.707 | 228  | 201787   | 21.133 | ng/ul  | 98       |
| 86) Bis(2-ethylhexyl)phtha... | 21.607 | 149  | 118979   | 21.390 | ng/ul  | 97       |
| 87) Chrysene                  | 21.777 | 228  | 190895   | 20.887 | ng/ul  | 99       |
| 89) Di-n-octyl phthalate      | 22.835 | 149  | 194562   | 21.187 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 23.963 | 252  | 205294   | 20.967 | ng/ul# | 97       |
| 91) Benzo(k)fluoranthene      | 24.027 | 252  | 204928   | 21.385 | ng/ul# | 98       |
| 93) Benzo(a)pyrene            | 24.850 | 252  | 180597   | 21.261 | ng/ul  | 94       |
| 94) Indeno(1,2,3-cd)pyrene    | 28.756 | 276  | 241536m  | 22.285 | ng/ul  |          |
| 95) Dibenzo(a,h)anthracene    | 28.809 | 278  | 199747   | 22.271 | ng/ul# | 98       |
| 96) Benzo(g,h,i)perylene      | 29.913 | 276  | 200603   | 22.262 | ng/ul# | 92       |

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

