

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG093021\  
 Data File : BG050349.D  
 Acq On : 1 Oct 2021 8:52  
 Operator : CG/JU  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 31 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSTD020521

Manual Integrations  
 APPROVED

mohammad  
 10/1/2021 11:30:39 AM

Quant Time: Oct 01 09:29:03 2021  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG093021.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Sep 30 16:27:24 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.274  | 152  | 44313    | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 11.100 | 136  | 187522   | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.889 | 164  | 134128   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.633 | 188  | 318689   | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.934 | 240  | 296614   | 20.000 | ng/u1  | -0.01    |
| 88) Perylene-d12              | 25.360 | 264  | 304672   | 20.000 | ng/u1  | -0.02    |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.638  | 96   | 9871m    | 8.184  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 4.061  | 84   | 72860    | 20.272 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 7.404  | 99   | 81380    | 21.020 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.586  | 67   | 52630    | 21.600 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.798  | 132  | 56436    | 20.804 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.961  | 113  | 61093    | 20.848 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 9.443  | 128  | 28829    | 21.976 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 10.166 | 143  | 29962    | 21.281 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.706 | 165  | 57925    | 20.835 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 11.223 | 131  | 82903    | 20.874 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 14.284 | 166  | 192557   | 20.977 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.584 | 160  | 239058   | 20.737 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 15.048 | 143  | 36913    | 20.879 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.877 | 176  | 173126   | 20.934 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.982 | 200  | 32625    | 20.525 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.733 | 188  | 283118   | 21.029 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 20.001 | 212  | 331606   | 21.025 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 25.119 | 264  | 318774   | 20.808 | ng/u1  | -0.02    |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.673  | 88   | 11145    | 7.637  | ng/uL# | 84       |
| 5) Pyridine                   | 4.085  | 79   | 73189    | 20.104 | ng/u1  | 99       |
| 6) Benzaldehyde               | 7.404  | 77   | 63624    | 24.918 | ng/u1  | 94       |
| 8) Phenol                     | 7.428  | 94   | 82922    | 20.896 | ng/u1  | 99       |
| 10) Bis(2-Chloroethyl)ether   | 7.680  | 93   | 65153    | 21.889 | ng/u1  | 98       |
| 12) 2-Chlorophenol            | 7.827  | 128  | 58835    | 21.199 | ng/u1  | 94       |
| 13) 2-Methylphenol            | 8.697  | 108  | 61312    | 20.965 | ng/u1  | 95       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.791  | 45   | 98267    | 22.004 | ng/u1  | 98       |
| 16) Acetophenone              | 9.102  | 105  | 100691   | 21.626 | ng/u1  | 93       |
| 17) N-Nitroso-di-n-propyla... | 9.073  | 70   | 59569    | 21.289 | ng/u1# | 97       |
| 18) 4-Methylphenol            | 9.026  | 108  | 65493    | 21.146 | ng/u1  | 95       |
| 19) Hexachloroethane          | 9.367  | 117  | 25234    | 21.155 | ng/u1  | 97       |
| 22) Nitrobenzene              | 9.484  | 77   | 86328    | 21.957 | ng/u1  | 95       |
| 23) Isophorone                | 10.007 | 82   | 156304   | 20.687 | ng/u1  | 100      |
| 25) 2-Nitrophenol             | 10.201 | 139  | 31471    | 21.749 | ng/u1  | 94       |
| 26) 2,4-Dimethylphenol        | 10.242 | 107  | 75351    | 20.978 | ng/u1  | 97       |
| 27) Bis(2-Chloroethoxy)met... | 10.489 | 93   | 84383    | 20.686 | ng/u1  | 98       |
| 29) 2,4-Dichlorophenol        | 10.730 | 162  | 57542    | 20.905 | ng/u1  | 97       |
| 30) Naphthalene               | 11.147 | 128  | 198522   | 20.620 | ng/u1  | 99       |
| 32) 4-Chloroaniline           | 11.247 | 127  | 84714    | 21.186 | ng/u1  | 96       |
| 33) Hexachlorobutadiene       | 11.423 | 225  | 39832    | 19.913 | ng/u1  | 94       |
| 34) Caprolactam               | 12.011 | 113  | 21629m   | 20.339 | ng/u1  |          |
| 35) 4-Chloro-3-methylphenol   | 12.340 | 107  | 69697    | 21.477 | ng/u1  | 92       |
| 36) 2-Methylnaphthalene       | 12.733 | 142  | 134739   | 20.585 | ng/u1  | 98       |

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| 37) 1-Methylnaphthalene       | 12.951 | 142  | 138415   | 21.006 | ng/ul  | 98       |
| 39) 1,2,4,5-Tetrachloroben... | 13.092 | 216  | 77871    | 20.118 | ng/ul# | 97       |
| 40) Hexachlorocyclopentadiene | 13.068 | 237  | 49199    | 19.166 | ng/ul  | 96       |
| 41) 2,4,6-Trichlorophenol     | 13.321 | 196  | 50995    | 20.902 | ng/ul  | 91       |
| 42) 2,4,5-Trichlorophenol     | 13.391 | 196  | 56501    | 21.171 | ng/ul  | 98       |
| 43) 1,1'-Biphenyl             | 13.726 | 154  | 186345   | 20.645 | ng/ul  | 99       |
| 44) 2-Chloronaphthalene       | 13.773 | 162  | 143892   | 20.348 | ng/ul  | 98       |
| 45) 2-Nitroaniline            | 13.967 | 65   | 54140    | 23.385 | ng/ul  | 89       |
| 47) Dimethylphthalate         | 14.331 | 163  | 192665   | 20.861 | ng/ul  | 99       |
| 48) 2,6-Dinitrotoluene        | 14.455 | 165  | 38349    | 22.074 | ng/ul  | 96       |
| 50) Acenaphthylene            | 14.613 | 152  | 245609   | 21.004 | ng/ul  | 97       |
| 51) 3-Nitroaniline            | 14.784 | 138  | 43018    | 22.763 | ng/ul  | 88       |
| 52) Acenaphthene              | 14.954 | 153  | 159908   | 20.691 | ng/ul  | 96       |
| 53) 2,4-Dinitrophenol         | 14.983 | 184  | 22114    | 20.421 | ng/ul  | 92       |
| 55) 4-Nitrophenol             | 15.066 | 109  | 37500    | 21.450 | ng/ul  | 95       |
| 56) Dibenzofuran              | 15.283 | 168  | 233084   | 20.737 | ng/ul  | 97       |
| 57) 2,4-Dinitrotoluene        | 15.236 | 165  | 55358    | 21.944 | ng/ul  | 93       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.501 | 232  | 47081    | 20.515 | ng/ul  | 92       |
| 59) Diethylphthalate          | 15.689 | 149  | 204447   | 21.215 | ng/ul  | 100      |
| 61) Fluorene                  | 15.935 | 166  | 184480   | 20.630 | ng/ul  | 96       |
| 62) 4-Chlorophenyl-phenyle... | 15.918 | 204  | 101711   | 21.002 | ng/ul  | 96       |
| 63) 4-Nitroaniline            | 15.941 | 138  | 42822    | 22.438 | ng/ul  | 97       |
| 66) 4,6-Dinitro-2-methylph... | 15.994 | 198  | 32692    | 20.806 | ng/ul  | 94       |
| 67) N-Nitrosodiphenylamine    | 16.129 | 169  | 167955   | 20.844 | ng/ul  | 97       |
| 68) 4-Bromophenyl-phenylether | 16.817 | 248  | 61102    | 20.593 | ng/ul  | 96       |
| 69) Hexachlorobenzene         | 16.928 | 284  | 65510    | 20.967 | ng/ul  | 99       |
| 70) Atrazine                  | 17.069 | 200  | 70960    | 20.683 | ng/ul  | 99       |
| 71) Pentachlorophenol         | 17.269 | 266  | 42080    | 20.566 | ng/ul  | 98       |
| 72) Phenanthrene              | 17.674 | 178  | 331482   | 20.838 | ng/ul  | 99       |
| 74) Anthracene                | 17.768 | 178  | 331556   | 21.045 | ng/ul  | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 13.697 | 216  | 85709    | 20.399 | ng/ul  | 98       |
| 76) Pentachlorobenzene        | 15.201 | 250  | 79516    | 20.716 | ng/ul  | 97       |
| 77) Carbazole                 | 18.027 | 167  | 305612   | 21.672 | ng/ul  | 99       |
| 78) Di-n-butylphthalate       | 18.573 | 149  | 361721   | 21.646 | ng/ul  | 100      |
| 80) Fluoranthene              | 19.672 | 202  | 425090   | 21.462 | ng/ul  | 99       |
| 82) Pyrene                    | 20.031 | 202  | 415330   | 21.265 | ng/ul  | 99       |
| 83) Butylbenzylphthalate      | 20.906 | 149  | 159584   | 22.167 | ng/ul  | 100      |
| 84) 3,3'-Dichlorobenzidine    | 21.817 | 252  | 132497   | 21.673 | ng/ul  | 99       |
| 85) Benzo(a)anthracene        | 21.917 | 228  | 373263   | 20.874 | ng/ul  | 99       |
| 86) Bis(2-ethylhexyl)phtha... | 21.799 | 149  | 223657   | 21.620 | ng/ul  | 99       |
| 87) Chrysene                  | 21.981 | 228  | 360111   | 21.014 | ng/ul  | 99       |
| 89) Di-n-octyl phthalate      | 23.086 | 149  | 381433   | 21.788 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 24.261 | 252  | 385730   | 20.786 | ng/ul  | 98       |
| 91) Benzo(k)fluoranthene      | 24.337 | 252  | 353206   | 20.454 | ng/ul  | 99       |
| 93) Benzo(a)pyrene            | 25.201 | 252  | 363375   | 20.522 | ng/ul  | 98       |
| 94) Indeno(1,2,3-cd)pyrene    | 29.296 | 276  | 407873   | 20.517 | ng/ul  | 99       |
| 95) Dibenzo(a,h)anthracene    | 29.367 | 278  | 348021   | 20.572 | ng/ul  | 96       |
| 96) Benzo(g,h,i)perylene      | 30.518 | 276  | 338943   | 20.225 | ng/ul  | 99       |

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

