

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG081121\  
 Data File : BG049794.D  
 Acq On : 11 Aug 2021 18:16  
 Operator : CG/JU  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSTD020489

Manual Integrations  
 APPROVED

mohammad  
 8/12/2021 1:34:38 PM

Quant Time: Aug 11 18:51:40 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SFAM-EPA-BG080421.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Aug 10 16:55:58 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.036  | 152  | 33627    | 20.000 | ng/ul  | 0.00     |
| 20) Naphthalene-d8            | 10.856 | 136  | 148731   | 20.000 | ng/ul  | 0.00     |
| 38) Acenaphthene-d10          | 14.692 | 164  | 110212   | 20.000 | ng/ul  | 0.00     |
| 64) Phenanthrene-d10          | 17.441 | 188  | 248762   | 20.000 | ng/ul  | 0.00     |
| 79) Chrysene-d12              | 21.724 | 240  | 228340   | 20.000 | ng/ul  | # 0.00   |
| 88) Perylene-d12              | 25.001 | 264  | 230388   | 20.000 | ng/ul  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.419  | 96   | 5463     | 7.595  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.842  | 84   | 40494    | 18.762 | ng/ul  | 0.00     |
| 7) Phenol-d5                  | 7.196  | 99   | 58894    | 19.298 | ng/ul  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.355  | 67   | 34766    | 19.832 | ng/ul  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.566  | 132  | 45278    | 20.729 | ng/ul  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.747  | 113  | 46337    | 19.913 | ng/ul  | 0.00     |
| 21) Nitrobenzene-d5           | 9.205  | 128  | 23422    | 19.992 | ng/ul  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.934  | 143  | 26160    | 19.552 | ng/ul  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.480 | 165  | 50450    | 19.997 | ng/ul  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.991 | 131  | 69223    | 20.043 | ng/ul  | 0.00     |
| 46) Dimethylphthalate-d6      | 14.087 | 166  | 165637   | 19.151 | ng/ul  | 0.00     |
| 49) Acenaphthylene-d8         | 14.381 | 160  | 188500   | 18.319 | ng/ul  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.898 | 143  | 25986    | 18.583 | ng/ul  | 0.00     |
| 60) Fluorene-d10              | 15.679 | 176  | 143128   | 19.252 | ng/ul  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.808 | 200  | 30537    | 18.239 | ng/ul  | 0.00     |
| 73) Anthracene-d10            | 17.541 | 188  | 221574   | 18.869 | ng/ul  | 0.00     |
| 81) Pyrene-d10                | 19.826 | 212  | 248779   | 19.774 | ng/ul  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.772 | 264  | 249753   | 19.784 | ng/ul  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.454  | 88   | 6028     | 6.916  | ng/uL  | 90       |
| 5) Pyridine                   | 3.865  | 79   | 44570    | 18.626 | ng/ul  | 96       |
| 6) Benzaldehyde               | 7.173  | 77   | 27963    | 17.192 | ng/ul  | 88       |
| 8) Phenol                     | 7.226  | 94   | 59631    | 19.722 | ng/ul# | 93       |
| 10) Bis(2-Chloroethyl)ether   | 7.449  | 93   | 41901    | 19.975 | ng/ul  | 93       |
| 12) 2-Chlorophenol            | 7.601  | 128  | 44702    | 20.464 | ng/ul  | 92       |
| 13) 2-Methylphenol            | 8.483  | 108  | 48078    | 20.308 | ng/ul  | 95       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.565  | 45   | 47605    | 19.857 | ng/ul# | 89       |
| 16) Acetophenone              | 8.864  | 105  | 79219    | 20.513 | ng/ul  | 97       |
| 17) N-Nitroso-di-n-propyla... | 8.841  | 70   | 41448    | 19.963 | ng/ul  | 99       |
| 18) 4-Methylphenol            | 8.812  | 108  | 51276    | 20.731 | ng/ul  | 86       |
| 19) Hexachloroethane          | 9.123  | 117  | 21387    | 22.077 | ng/ul  | 91       |
| 22) Nitrobenzene              | 9.246  | 77   | 66440    | 19.123 | ng/ul  | 100      |
| 23) Isophorone                | 9.769  | 82   | 119871   | 20.403 | ng/ul  | 95       |
| 25) 2-Nitrophenol             | 9.963  | 139  | 28501    | 20.796 | ng/ul  | 95       |
| 26) 2,4-Dimethylphenol        | 10.022 | 107  | 62486    | 19.757 | ng/ul  | 98       |
| 27) Bis(2-Chloroethoxy)met... | 10.251 | 93   | 59974    | 20.148 | ng/ul# | 96       |
| 29) 2,4-Dichlorophenol        | 10.503 | 162  | 48410    | 20.287 | ng/ul# | 93       |
| 30) Naphthalene               | 10.909 | 128  | 153504   | 19.763 | ng/ul  | 97       |
| 32) 4-Chloroaniline           | 11.015 | 127  | 63541    | 19.226 | ng/ul  | 97       |
| 33) Hexachlorobutadiene       | 11.191 | 225  | 38474    | 19.629 | ng/ul  | 93       |
| 34) Caprolactam               | 11.778 | 113  | 17030m   | 22.322 | ng/ul  |          |
| 35) 4-Chloro-3-methylphenol   | 12.148 | 107  | 59932    | 21.672 | ng/ul# | 87       |
| 36) 2-Methylnaphthalene       | 12.512 | 142  | 115538   | 19.427 | ng/ul  | 99       |

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| 37) 1-Methylnaphthalene       | 12.736 | 142  | 112568   | 19.451 | ng/ul  | 96       |
| 39) 1,2,4,5-Tetrachloroben... | 12.883 | 216  | 64204    | 18.757 | ng/ul  | 97       |
| 40) Hexachlorocyclopentadiene | 12.859 | 237  | 39086    | 19.360 | ng/ul# | 87       |
| 41) 2,4,6-Trichlorophenol     | 13.123 | 196  | 42634    | 19.464 | ng/ul# | 84       |
| 42) 2,4,5-Trichlorophenol     | 13.206 | 196  | 43954    | 18.702 | ng/ul  | 97       |
| 43) 1,1'-Biphenyl             | 13.517 | 154  | 152145   | 18.532 | ng/ul  | 93       |
| 44) 2-Chloronaphthalene       | 13.564 | 162  | 124573   | 19.383 | ng/ul  | 98       |
| 45) 2-Nitroaniline            | 13.770 | 65   | 43025    | 19.016 | ng/ul  | 88       |
| 47) Dimethylphthalate         | 14.134 | 163  | 168001   | 19.569 | ng/ul# | 95       |
| 48) 2,6-Dinitrotoluene        | 14.263 | 165  | 36845    | 21.014 | ng/ul  | 93       |
| 50) Acenaphthylene            | 14.410 | 152  | 188994   | 19.467 | ng/ul  | 99       |
| 51) 3-Nitroaniline            | 14.592 | 138  | 28418    | 18.206 | ng/ul# | 94       |
| 52) Acenaphthene              | 14.757 | 153  | 132095   | 19.049 | ng/ul  | 93       |
| 53) 2,4-Dinitrophenol         | 14.809 | 184  | 20081    | 20.788 | ng/ul  | 93       |
| 55) 4-Nitrophenol             | 14.909 | 109  | 34379    | 18.799 | ng/ul  | 92       |
| 56) Dibenzofuran              | 15.085 | 168  | 183277   | 19.052 | ng/ul  | 100      |
| 57) 2,4-Dinitrotoluene        | 15.050 | 165  | 51217    | 20.251 | ng/ul# | 98       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.315 | 232  | 41234    | 21.290 | ng/ul# | 94       |
| 59) Diethylphthalate          | 15.497 | 149  | 173821   | 20.082 | ng/ul  | 98       |
| 61) Fluorene                  | 15.738 | 166  | 156662   | 20.026 | ng/ul  | 94       |
| 62) 4-Chlorophenyl-phenyle... | 15.726 | 204  | 86534    | 20.318 | ng/ul  | 95       |
| 63) 4-Nitroaniline            | 15.761 | 138  | 27883    | 19.106 | ng/ul  | 99       |
| 66) 4,6-Dinitro-2-methylph... | 15.820 | 198  | 29642    | 18.893 | ng/ul  | 96       |
| 67) N-Nitrosodiphenylamine    | 15.943 | 169  | 129264   | 18.854 | ng/ul  | 94       |
| 68) 4-Bromophenyl-phenylether | 16.625 | 248  | 59064    | 20.412 | ng/ul  | 93       |
| 69) Hexachlorobenzene         | 16.748 | 284  | 66649    | 20.347 | ng/ul  | 97       |
| 70) Atrazine                  | 16.889 | 200  | 60637    | 20.105 | ng/ul  | 98       |
| 71) Pentachlorophenol         | 17.095 | 266  | 31235    | 19.910 | ng/ul  | 95       |
| 72) Phenanthrene              | 17.482 | 178  | 256026   | 19.445 | ng/ul  | 100      |
| 74) Anthracene                | 17.576 | 178  | 257730   | 19.568 | ng/ul  | 98       |
| 75) 1,2,3,4-Tetrachloroben... | 13.488 | 216  | 66612    | 18.230 | ng/ul  | 95       |
| 76) Pentachlorobenzene        | 15.009 | 250  | 71095    | 18.450 | ng/ul  | 98       |
| 77) Carbazole                 | 17.846 | 167  | 225232   | 19.137 | ng/ul  | 99       |
| 78) Di-n-butylphthalate       | 18.393 | 149  | 291253   | 20.240 | ng/ul  | 99       |
| 80) Fluoranthene              | 19.491 | 202  | 315067   | 20.292 | ng/ul  | 97       |
| 82) Pyrene                    | 19.855 | 202  | 313427   | 20.239 | ng/ul  | 99       |
| 83) Butylbenzylphthalate      | 20.731 | 149  | 125432   | 21.253 | ng/ul  | 94       |
| 84) 3,3'-Dichlorobenzidine    | 21.612 | 252  | 97775    | 18.087 | ng/ul  | 99       |
| 85) Benzo(a)anthracene        | 21.700 | 228  | 295222   | 19.692 | ng/ul  | 98       |
| 86) Bis(2-ethylhexyl)phtha... | 21.594 | 149  | 173065   | 20.019 | ng/ul  | 99       |
| 87) Chrysene                  | 21.771 | 228  | 280022   | 19.999 | ng/ul  | 99       |
| 89) Di-n-octyl phthalate      | 22.816 | 149  | 288943   | 20.106 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 23.956 | 252  | 300146   | 19.932 | ng/ul  | 100      |
| 91) Benzo(k)fluoranthene      | 24.026 | 252  | 297895   | 19.924 | ng/ul  | 98       |
| 93) Benzo(a)pyrene            | 24.843 | 252  | 273058   | 20.598 | ng/ul  | 99       |
| 94) Indeno(1,2,3-cd)pyrene    | 28.749 | 276  | 352804   | 20.280 | ng/ul  | 99       |
| 95) Dibenzo(a,h)anthracene    | 28.808 | 278  | 292983   | 20.188 | ng/ul  | 100      |
| 96) Benzo(g,h,i)perylene      | 29.924 | 276  | 290226   | 20.062 | ng/ul  | 98       |

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

