

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG072621\  
 Data File : BG049471.D  
 Acq On : 26 Jul 2021 9:28  
 Operator : CG/JU  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSTD020459

Manual Integrations  
 APPROVED

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

Quant Time: Jul 26 11:34:36 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SFAM-EPA-BG072421.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Jul 26 01:16:50 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.049  | 152  | 23606    | 20.000 | ng/ul  | 0.00     |
| 20) Naphthalene-d8            | 10.868 | 136  | 92469    | 20.000 | ng/ul  | 0.00     |
| 38) Acenaphthene-d10          | 14.698 | 164  | 62246    | 20.000 | ng/ul  | 0.00     |
| 64) Phenanthrene-d10          | 17.448 | 188  | 136313   | 20.000 | ng/ul  | 0.00     |
| 79) Chrysene-d12              | 21.724 | 240  | 141300   | 20.000 | ng/ul  | # 0.00   |
| 88) Perylene-d12              | 25.002 | 264  | 141490   | 20.000 | ng/ul  | 0.00     |
|                               |        |      |          |        |        |          |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.431  | 96   | 3857     | 7.475  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.854  | 84   | 27102    | 18.287 | ng/ul  | 0.00     |
| 7) Phenol-d5                  | 7.203  | 99   | 38739    | 18.548 | ng/ul  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.367  | 67   | 22506    | 19.026 | ng/ul  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.579  | 132  | 28016    | 18.713 | ng/ul  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.754  | 113  | 28388    | 18.033 | ng/ul  | 0.00     |
| 21) Nitrobenzene-d5           | 9.212  | 128  | 14201    | 19.975 | ng/ul  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.940  | 143  | 15842    | 19.016 | ng/ul  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.486 | 165  | 29786    | 19.659 | ng/ul  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.998 | 131  | 38096    | 18.041 | ng/ul  | 0.00     |
| 46) Dimethylphthalate-d6      | 14.093 | 166  | 94304    | 19.778 | ng/ul  | 0.00     |
| 49) Acenaphthylene-d8         | 14.393 | 160  | 107875   | 19.479 | ng/ul  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.892 | 143  | 13882    | 17.679 | ng/ul  | 0.00     |
| 60) Fluorene-d10              | 15.691 | 176  | 77232    | 18.802 | ng/ul  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.809 | 200  | 14934    | 17.680 | ng/ul  | 0.00     |
| 73) Anthracene-d10            | 17.548 | 188  | 125601   | 19.825 | ng/ul  | 0.00     |
| 81) Pyrene-d10                | 19.833 | 212  | 146444   | 20.269 | ng/ul  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.773 | 264  | 157646   | 21.199 | ng/ul  | 0.00     |
|                               |        |      |          |        |        |          |
| Target Compounds              |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.472  | 88   | 4662     | 6.610  | ng/uL# | 92       |
| 5) Pyridine                   | 3.872  | 79   | 30117    | 18.998 | ng/ul# | 76       |
| 6) Benzaldehyde               | 7.179  | 77   | 27720    | 22.243 | ng/ul  | 93       |
| 8) Phenol                     | 7.226  | 94   | 38341    | 18.793 | ng/ul  | 90       |
| 10) Bis(2-Chloroethyl)ether   | 7.461  | 93   | 27944    | 19.881 | ng/ul  | 97       |
| 12) 2-Chlorophenol            | 7.608  | 128  | 28868    | 20.029 | ng/ul  | 99       |
| 13) 2-Methylphenol            | 8.483  | 108  | 30481    | 19.602 | ng/ul  | 99       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.577  | 45   | 32497    | 19.729 | ng/ul  | 95       |
| 16) Acetophenone              | 8.877  | 105  | 51652    | 20.386 | ng/ul# | 94       |
| 17) N-Nitroso-di-n-propyla... | 8.853  | 70   | 26297    | 20.127 | ng/ul# | 85       |
| 18) 4-Methylphenol            | 8.818  | 108  | 31693    | 19.374 | ng/ul  | 93       |
| 19) Hexachloroethane          | 9.135  | 117  | 14407    | 22.188 | ng/ul# | 80       |
| 22) Nitrobenzene              | 9.259  | 77   | 42822    | 20.173 | ng/ul  | 96       |
| 23) Isophorone                | 9.782  | 82   | 70918    | 19.938 | ng/ul# | 93       |
| 25) 2-Nitrophenol             | 9.970  | 139  | 17093    | 21.802 | ng/ul  | 97       |
| 26) 2,4-Dimethylphenol        | 10.028 | 107  | 39111    | 20.931 | ng/ul  | 96       |
| 27) Bis(2-Chloroethoxy)met... | 10.263 | 93   | 34943    | 19.697 | ng/ul  | 100      |
| 29) 2,4-Dichlorophenol        | 10.516 | 162  | 30227    | 20.407 | ng/ul# | 94       |
| 30) Naphthalene               | 10.915 | 128  | 95234    | 19.994 | ng/ul# | 93       |
| 32) 4-Chloroaniline           | 11.027 | 127  | 38971    | 19.401 | ng/ul  | 92       |
| 33) Hexachlorobutadiene       | 11.203 | 225  | 24182    | 21.354 | ng/ul  | 90       |
| 34) Caprolactam               | 11.791 | 113  | 8680m    | 17.231 | ng/ul  |          |
| 35) 4-Chloro-3-methylphenol   | 12.143 | 107  | 35057    | 21.036 | ng/ul  | 97       |
| 36) 2-Methylnaphthalene       | 12.525 | 142  | 72803    | 20.884 | ng/ul  | 99       |

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|-------------------------------|--------|------|----------|--------|--------|----------|
| 37) 1-Methylnaphthalene       | 12.742 | 142  | 69250    | 19.658 | ng/ul  | 93       |
| 39) 1,2,4,5-Tetrachloroben... | 12.889 | 216  | 38840    | 20.994 | ng/ul  | 94       |
| 40) Hexachlorocyclopentadiene | 12.871 | 237  | 22613    | 20.285 | ng/ul  | 93       |
| 41) 2,4,6-Trichlorophenol     | 13.130 | 196  | 23557    | 20.720 | ng/ul# | 80       |
| 42) 2,4,5-Trichlorophenol     | 13.206 | 196  | 25670    | 21.142 | ng/ul  | 96       |
| 43) 1,1'-Biphenyl             | 13.529 | 154  | 91787    | 20.707 | ng/ul# | 95       |
| 44) 2-Chloronaphthalene       | 13.571 | 162  | 74301    | 21.541 | ng/ul  | 90       |
| 45) 2-Nitroaniline            | 13.770 | 65   | 26220    | 21.420 | ng/ul  | 95       |
| 47) Dimethylphthalate         | 14.140 | 163  | 94364    | 20.351 | ng/ul  | 98       |
| 48) 2,6-Dinitrotoluene        | 14.264 | 165  | 18614    | 20.115 | ng/ul  | 96       |
| 50) Acenaphthylene            | 14.422 | 152  | 108654   | 20.544 | ng/ul  | 97       |
| 51) 3-Nitroaniline            | 14.599 | 138  | 18772    | 20.339 | ng/ul  | 97       |
| 52) Acenaphthene              | 14.757 | 153  | 78512    | 20.698 | ng/ul  | 97       |
| 53) 2,4-Dinitrophenol         | 14.804 | 184  | 7999     | 17.350 | ng/ul# | 73       |
| 55) 4-Nitrophenol             | 14.904 | 109  | 20458    | 19.214 | ng/ul  | 93       |
| 56) Dibenzofuran              | 15.098 | 168  | 107989   | 21.084 | ng/ul  | 95       |
| 57) 2,4-Dinitrotoluene        | 15.057 | 165  | 27669    | 21.093 | ng/ul  | 98       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.321 | 232  | 22285    | 20.226 | ng/ul# | 96       |
| 59) Diethylphthalate          | 15.503 | 149  | 95444    | 19.889 | ng/ul  | 95       |
| 61) Fluorene                  | 15.744 | 166  | 88459    | 20.344 | ng/ul  | 100      |
| 62) 4-Chlorophenyl-phenyle... | 15.738 | 204  | 48005    | 21.209 | ng/ul# | 91       |
| 63) 4-Nitroaniline            | 15.756 | 138  | 19080    | 20.847 | ng/ul  | 93       |
| 66) 4,6-Dinitro-2-methylph... | 15.820 | 198  | 15335    | 19.722 | ng/ul# | 88       |
| 67) N-Nitrosodiphenylamine    | 15.950 | 169  | 74022    | 20.721 | ng/ul  | 95       |
| 68) 4-Bromophenyl-phenylether | 16.631 | 248  | 32029    | 21.102 | ng/ul  | 98       |
| 69) Hexachlorobenzene         | 16.754 | 284  | 34731    | 20.224 | ng/ul  | 94       |
| 70) Atrazine                  | 16.895 | 200  | 33388    | 20.463 | ng/ul  | 96       |
| 71) Pentachlorophenol         | 17.101 | 266  | 13942m   | 17.534 | ng/ul  |          |
| 72) Phenanthrene              | 17.489 | 178  | 146783   | 20.684 | ng/ul  | 98       |
| 74) Anthracene                | 17.583 | 178  | 145837   | 20.280 | ng/ul  | 97       |
| 75) 1,2,3,4-Tetrachloroben... | 13.500 | 216  | 40484    | 21.856 | ng/ul  | 98       |
| 76) Pentachlorobenzene        | 15.016 | 250  | 42437    | 21.654 | ng/ul  | 98       |
| 77) Carbazole                 | 17.847 | 167  | 130435   | 20.288 | ng/ul  | 99       |
| 78) Di-n-butylphthalate       | 18.399 | 149  | 160245   | 20.044 | ng/ul  | 99       |
| 80) Fluoranthene              | 19.498 | 202  | 181009   | 20.633 | ng/ul  | 99       |
| 82) Pyrene                    | 19.862 | 202  | 189145   | 21.715 | ng/ul  | 99       |
| 83) Butylbenzylphthalate      | 20.737 | 149  | 72438    | 21.361 | ng/ul  | 93       |
| 84) 3,3'-Dichlorobenzidine    | 21.618 | 252  | 69611    | 21.441 | ng/ul  | 99       |
| 85) Benzo(a)anthracene        | 21.707 | 228  | 179600   | 20.789 | ng/ul  | 96       |
| 86) Bis(2-ethylhexyl)phtha... | 21.601 | 149  | 104385   | 20.742 | ng/ul  | 93       |
| 87) Chrysene                  | 21.771 | 228  | 171876   | 20.786 | ng/ul  | 97       |
| 89) Di-n-octyl phthalate      | 22.834 | 149  | 172430   | 20.732 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 23.956 | 252  | 188716   | 21.280 | ng/ul  | 99       |
| 91) Benzo(k)fluoranthene      | 24.021 | 252  | 183872m  | 21.185 | ng/ul  |          |
| 93) Benzo(a)pyrene            | 24.844 | 252  | 163202   | 21.213 | ng/ul  | 96       |
| 94) Indeno(1,2,3-cd)pyrene    | 28.738 | 276  | 216693   | 22.074 | ng/ul  | 99       |
| 95) Dibenzo(a,h)anthracene    | 28.809 | 278  | 181549   | 22.349 | ng/ul# | 97       |
| 96) Benzo(g,h,i)perylene      | 29.907 | 276  | 182774   | 22.395 | ng/ul# | 89       |

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

