

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG072621\  
 Data File : BG049523.D  
 Acq On : 28 Jul 2021 2:14  
 Operator : CG/JU  
 Sample : SSTDCCC020EC  
 Misc :  
 ALS Vial : 53 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSTD020463

Manual Integrations  
 APPROVED

mohammad  
 7/28/2021 11:30:20 AM

Quant Time: Jul 28 06:33:20 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     | 8.048  | 152  | 27343    | 20.000 | ng/ul  | 0.00     |
| 20) Naphthalene-d8            | 10.868 | 136  | 117605   | 20.000 | ng/ul  | # 0.00   |
| 38) Acenaphthene-d10          | 14.698 | 164  | 84384    | 20.000 | ng/ul  | 0.00     |
| 64) Phenanthrene-d10          | 17.447 | 188  | 186970   | 20.000 | ng/ul  | 0.00     |
| 79) Chrysene-d12              | 21.730 | 240  | 175931   | 20.000 | ng/ul  | # 0.00   |
| 88) Perylene-d12              | 25.002 | 264  | 178158   | 20.000 | ng/ul  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.431  | 96   | 3934m    | 6.582  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.854  | 84   | 32938    | 19.188 | ng/ul  | 0.00     |
| 7) Phenol-d5                  | 7.202  | 99   | 48919    | 20.221 | ng/ul  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.367  | 67   | 26762    | 19.532 | ng/ul  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.573  | 132  | 34763    | 20.047 | ng/ul  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.753  | 113  | 37594    | 20.617 | ng/ul  | 0.00     |
| 21) Nitrobenzene-d5           | 9.211  | 128  | 18665    | 20.643 | ng/ul  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.946  | 143  | 21294    | 20.097 | ng/ul  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.486 | 165  | 39570    | 20.534 | ng/ul  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.997 | 131  | 53238    | 19.823 | ng/ul  | 0.00     |
| 46) Dimethylphthalate-d6      | 14.099 | 166  | 128417   | 19.867 | ng/ul  | 0.00     |
| 49) Acenaphthylene-d8         | 14.393 | 160  | 154676   | 20.602 | ng/ul  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.892 | 143  | 21396    | 20.100 | ng/ul  | 0.00     |
| 60) Fluorene-d10              | 15.691 | 176  | 113340   | 20.353 | ng/ul  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.808 | 200  | 21906    | 18.907 | ng/ul  | 0.00     |
| 73) Anthracene-d10            | 17.547 | 188  | 173598   | 19.977 | ng/ul  | 0.00     |
| 81) Pyrene-d10                | 19.832 | 212  | 194606   | 21.633 | ng/ul  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.779 | 264  | 190801   | 20.376 | ng/ul  | 0.01     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.466  | 88   | 4984m    | 6.101  | ng/uL  |          |
| 5) Pyridine                   | 3.872  | 79   | 33132    | 18.044 | ng/ul  | 97       |
| 6) Benzaldehyde               | 7.179  | 77   | 35176m   | 24.368 | ng/ul  |          |
| 8) Phenol                     | 7.226  | 94   | 47541    | 20.117 | ng/ul  | 98       |
| 10) Bis(2-Chloroethyl)ether   | 7.461  | 93   | 31476    | 19.333 | ng/ul  | 92       |
| 12) 2-Chlorophenol            | 7.608  | 128  | 34575    | 20.710 | ng/ul  | 98       |
| 13) 2-Methylphenol            | 8.489  | 108  | 36197    | 20.097 | ng/ul  | 87       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.571  | 45   | 36578    | 19.172 | ng/ul# | 93       |
| 16) Acetophenone              | 8.871  | 105  | 62365    | 21.250 | ng/ul# | 91       |
| 17) N-Nitroso-di-n-propyla... | 8.853  | 70   | 31540    | 20.841 | ng/ul# | 90       |
| 18) 4-Methylphenol            | 8.818  | 108  | 40029    | 21.125 | ng/ul  | 91       |
| 19) Hexachloroethane          | 9.135  | 117  | 16227    | 21.576 | ng/ul# | 81       |
| 22) Nitrobenzene              | 9.258  | 77   | 53595    | 19.852 | ng/ul  | 93       |
| 23) Isophorone                | 9.781  | 82   | 92092    | 20.357 | ng/ul  | 96       |
| 25) 2-Nitrophenol             | 9.969  | 139  | 21494    | 21.556 | ng/ul# | 81       |
| 26) 2,4-Dimethylphenol        | 10.028 | 107  | 49392    | 20.784 | ng/ul  | 90       |
| 27) Bis(2-Chloroethoxy)met... | 10.263 | 93   | 44739    | 19.829 | ng/ul  | 98       |
| 29) 2,4-Dichlorophenol        | 10.510 | 162  | 40245    | 21.364 | ng/ul  | 95       |
| 30) Naphthalene               | 10.921 | 128  | 123129   | 20.326 | ng/ul  | 98       |
| 32) 4-Chloroaniline           | 11.021 | 127  | 50261    | 19.674 | ng/ul# | 85       |
| 33) Hexachlorobutadiene       | 11.197 | 225  | 29600    | 20.552 | ng/ul  | 89       |
| 34) Caprolactam               | 11.790 | 113  | 12749m   | 19.899 | ng/ul  |          |
| 35) 4-Chloro-3-methylphenol   | 12.149 | 107  | 48854    | 23.049 | ng/ul  | 99       |
| 36) 2-Methylnaphthalene       | 12.525 | 142  | 93086    | 20.995 | ng/ul  | 92       |

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|-------------------------------|--------|------|----------|--------|--------|----------|
| 37) 1-Methylnaphthalene       | 12.742 | 142  | 92814    | 20.716 | ng/ul# | 90       |
| 39) 1,2,4,5-Tetrachloroben... | 12.895 | 216  | 50379    | 20.087 | ng/ul  | 92       |
| 40) Hexachlorocyclopentadiene | 12.865 | 237  | 24642    | 16.306 | ng/ul# | 88       |
| 41) 2,4,6-Trichlorophenol     | 13.130 | 196  | 34564    | 22.426 | ng/ul# | 79       |
| 42) 2,4,5-Trichlorophenol     | 13.206 | 196  | 37583m   | 22.833 | ng/ul  |          |
| 43) 1,1'-Biphenyl             | 13.529 | 154  | 119535   | 19.892 | ng/ul  | 96       |
| 44) 2-Chloronaphthalene       | 13.576 | 162  | 96510    | 20.640 | ng/ul  | 95       |
| 45) 2-Nitroaniline            | 13.776 | 65   | 35719    | 21.525 | ng/ul  | 96       |
| 47) Dimethylphthalate         | 14.146 | 163  | 121636   | 19.350 | ng/ul  | 97       |
| 48) 2,6-Dinitrotoluene        | 14.269 | 165  | 27186    | 21.671 | ng/ul# | 87       |
| 50) Acenaphthylene            | 14.422 | 152  | 145960   | 20.358 | ng/ul  | 95       |
| 51) 3-Nitroaniline            | 14.598 | 138  | 26902    | 21.501 | ng/ul  | 96       |
| 52) Acenaphthene              | 14.763 | 153  | 106301   | 20.672 | ng/ul  | 96       |
| 53) 2,4-Dinitrophenol         | 14.810 | 184  | 11662    | 18.659 | ng/ul  | 88       |
| 55) 4-Nitrophenol             | 14.910 | 109  | 27060    | 18.747 | ng/ul  | 98       |
| 56) Dibenzofuran              | 15.098 | 168  | 145466   | 20.950 | ng/ul  | 99       |
| 57) 2,4-Dinitrotoluene        | 15.057 | 165  | 38854    | 21.850 | ng/ul  | 92       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.321 | 232  | 31987    | 21.415 | ng/ul  | 96       |
| 59) Diethylphthalate          | 15.509 | 149  | 129263   | 19.869 | ng/ul  | 98       |
| 61) Fluorene                  | 15.744 | 166  | 121703   | 20.647 | ng/ul  | 99       |
| 62) 4-Chlorophenyl-phenyle... | 15.732 | 204  | 63004    | 20.533 | ng/ul# | 85       |
| 63) 4-Nitroaniline            | 15.761 | 138  | 26885    | 21.669 | ng/ul  | 95       |
| 66) 4,6-Dinitro-2-methylph... | 15.826 | 198  | 20555    | 19.273 | ng/ul  | 92       |
| 67) N-Nitrosodiphenylamine    | 15.949 | 169  | 100980   | 20.608 | ng/ul  | 95       |
| 68) 4-Bromophenyl-phenylether | 16.631 | 248  | 43044    | 20.676 | ng/ul  | 92       |
| 69) Hexachlorobenzene         | 16.754 | 284  | 47644    | 20.227 | ng/ul  | 95       |
| 70) Atrazine                  | 16.895 | 200  | 45146    | 20.173 | ng/ul  | 97       |
| 71) Pentachlorophenol         | 17.101 | 266  | 22041    | 20.210 | ng/ul  | 93       |
| 72) Phenanthrene              | 17.488 | 178  | 193857   | 19.916 | ng/ul  | 97       |
| 74) Anthracene                | 17.582 | 178  | 194190   | 19.688 | ng/ul  | 98       |
| 75) 1,2,3,4-Tetrachloroben... | 13.500 | 216  | 52199    | 20.546 | ng/ul  | 97       |
| 76) Pentachlorobenzene        | 15.015 | 250  | 56915    | 21.173 | ng/ul  | 95       |
| 77) Carbazole                 | 17.853 | 167  | 168066   | 19.059 | ng/ul  | 99       |
| 78) Di-n-butylphthalate       | 18.399 | 149  | 210562   | 19.202 | ng/ul  | 99       |
| 80) Fluoranthene              | 19.498 | 202  | 230664   | 21.117 | ng/ul  | 98       |
| 82) Pyrene                    | 19.862 | 202  | 234400   | 21.614 | ng/ul  | 99       |
| 83) Butylbenzylphthalate      | 20.737 | 149  | 89982    | 21.311 | ng/ul  | 98       |
| 84) 3,3'-Dichlorobenzidine    | 21.618 | 252  | 79609    | 19.693 | ng/ul  | 96       |
| 85) Benzo(a)anthracene        | 21.706 | 228  | 218782   | 20.340 | ng/ul  | 99       |
| 86) Bis(2-ethylhexyl)phtha... | 21.606 | 149  | 126554   | 20.197 | ng/ul  | 99       |
| 87) Chrysene                  | 21.777 | 228  | 205028   | 19.915 | ng/ul  | 99       |
| 89) Di-n-octyl phthalate      | 22.834 | 149  | 212073   | 20.251 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 23.962 | 252  | 230582   | 20.649 | ng/ul  | 98       |
| 91) Benzo(k)fluoranthene      | 24.033 | 252  | 215967   | 19.762 | ng/ul  | 99       |
| 93) Benzo(a)pyrene            | 24.849 | 252  | 198485   | 20.489 | ng/ul  | 98       |
| 94) Indeno(1,2,3-cd)pyrene    | 28.756 | 276  | 260512m  | 21.076 | ng/ul  |          |
| 95) Dibenzo(a,h)anthracene    | 28.814 | 278  | 212987   | 20.823 | ng/ul  | 96       |
| 96) Benzo(g,h,i)perylene      | 29.930 | 276  | 211188   | 20.550 | ng/ul# | 95       |

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

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