

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG072921\  
 Data File : BG049552.D  
 Acq On : 29 Jul 2021 9:44  
 Operator : CG/JU  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSTD020467

Manual Integrations  
 APPROVED

mohammad  
 7/30/2021 11:59:45 AM

Quant Time: Jul 29 10:43:07 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  | 23919    | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.868 | 136  | 98684    | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.699 | 164  | 66339    | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.448 | 188  | 154380   | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.730 | 240  | 144187   | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 25.014 | 264  | 145613   | 20.000 | ng/u1  | 0.01     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.437  | 96   | 3826     | 7.318  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.860  | 84   | 30431    | 20.265 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 7.203  | 99   | 41716    | 19.712 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.367  | 67   | 23071    | 19.249 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.579  | 132  | 30908    | 20.375 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.754  | 113  | 31068    | 19.477 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 9.218  | 128  | 15931    | 20.997 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.940  | 143  | 18546    | 20.860 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.487 | 165  | 32784    | 20.275 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 11.004 | 131  | 43201    | 19.170 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 14.099 | 166  | 101692   | 20.012 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.393 | 160  | 115999   | 19.653 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.898 | 143  | 16656    | 19.903 | ng/u1  | 0.01     |
| 60) Fluorene-d10              | 15.691 | 176  | 89298    | 20.398 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.815 | 200  | 16946    | 17.714 | ng/u1  | 0.01     |
| 73) Anthracene-d10            | 17.548 | 188  | 138631   | 19.321 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.833 | 212  | 160698   | 21.796 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.785 | 264  | 157940   | 20.637 | ng/u1  | 0.02     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.473  | 88   | 4636     | 6.488  | ng/uL# | 82       |
| 5) Pyridine                   | 3.878  | 79   | 32811    | 20.427 | ng/u1  | 91       |
| 6) Benzaldehyde               | 7.179  | 77   | 30708    | 24.318 | ng/u1  | 95       |
| 8) Phenol                     | 7.226  | 94   | 42769    | 20.689 | ng/u1  | 93       |
| 10) Bis(2-Chloroethyl)ether   | 7.461  | 93   | 29335    | 20.597 | ng/u1  | 99       |
| 12) 2-Chlorophenol            | 7.608  | 128  | 32159    | 22.020 | ng/u1  | 96       |
| 13) 2-Methylphenol            | 8.489  | 108  | 32516    | 20.637 | ng/u1  | 91       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.572  | 45   | 32476    | 19.458 | ng/u1  | 94       |
| 16) Acetophenone              | 8.871  | 105  | 56509    | 22.011 | ng/u1# | 94       |
| 17) N-Nitroso-di-n-propyla... | 8.854  | 70   | 28840    | 21.785 | ng/u1  | 96       |
| 18) 4-Methylphenol            | 8.818  | 108  | 35524    | 21.432 | ng/u1  | 98       |
| 19) Hexachloroethane          | 9.141  | 117  | 14618    | 22.219 | ng/u1  | 85       |
| 22) Nitrobenzene              | 9.259  | 77   | 47867    | 21.130 | ng/u1  | 95       |
| 23) Isophorone                | 9.782  | 82   | 79351    | 20.904 | ng/u1# | 97       |
| 25) 2-Nitrophenol             | 9.976  | 139  | 18691    | 22.339 | ng/u1# | 77       |
| 26) 2,4-Dimethylphenol        | 10.028 | 107  | 42884    | 21.505 | ng/u1  | 88       |
| 27) Bis(2-Chloroethoxy)met... | 10.263 | 93   | 39423    | 20.823 | ng/u1  | 98       |
| 29) 2,4-Dichlorophenol        | 10.516 | 162  | 32819    | 20.762 | ng/u1  | 92       |
| 30) Naphthalene               | 10.921 | 128  | 107436   | 21.135 | ng/u1  | 97       |
| 32) 4-Chloroaniline           | 11.027 | 127  | 42007    | 19.596 | ng/u1# | 84       |
| 33) Hexachlorobutadiene       | 11.203 | 225  | 26094    | 21.592 | ng/u1  | 98       |
| 34) Caprolactam               | 11.785 | 113  | 10218m   | 19.006 | ng/u1  |          |
| 35) 4-Chloro-3-methylphenol   | 12.149 | 107  | 36783    | 20.681 | ng/u1# | 94       |
| 36) 2-Methylnaphthalene       | 12.525 | 142  | 78750    | 21.167 | ng/u1  | 99       |

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|-------------------------------|--------|------|----------|--------|--------|----------|
| 37) 1-Methylnaphthalene       | 12.748 | 142  | 77761    | 20.684 | ng/ul# | 94       |
| 39) 1,2,4,5-Tetrachloroben... | 12.895 | 216  | 43666    | 22.146 | ng/ul  | 89       |
| 40) Hexachlorocyclopentadiene | 12.872 | 237  | 32175    | 27.082 | ng/ul  | 99       |
| 41) 2,4,6-Trichlorophenol     | 13.130 | 196  | 28261    | 23.324 | ng/ul  | 89       |
| 42) 2,4,5-Trichlorophenol     | 13.206 | 196  | 28714    | 22.190 | ng/ul  | 95       |
| 43) 1,1'-Biphenyl             | 13.530 | 154  | 103193   | 21.844 | ng/ul# | 96       |
| 44) 2-Chloronaphthalene       | 13.576 | 162  | 82493    | 22.441 | ng/ul  | 92       |
| 45) 2-Nitroaniline            | 13.776 | 65   | 30432    | 23.328 | ng/ul  | 91       |
| 47) Dimethylphthalate         | 14.140 | 163  | 105702   | 21.389 | ng/ul  | 98       |
| 48) 2,6-Dinitrotoluene        | 14.270 | 165  | 22145    | 22.454 | ng/ul# | 85       |
| 50) Acenaphthylene            | 14.422 | 152  | 119534   | 21.207 | ng/ul# | 91       |
| 51) 3-Nitroaniline            | 14.599 | 138  | 21859    | 22.223 | ng/ul  | 85       |
| 52) Acenaphthene              | 14.763 | 153  | 85828    | 21.231 | ng/ul  | 96       |
| 53) 2,4-Dinitrophenol         | 14.810 | 184  | 9338     | 19.004 | ng/ul# | 80       |
| 55) 4-Nitrophenol             | 14.910 | 109  | 21668    | 19.095 | ng/ul  | 93       |
| 56) Dibenzofuran              | 15.098 | 168  | 119788   | 21.945 | ng/ul  | 99       |
| 57) 2,4-Dinitrotoluene        | 15.057 | 165  | 32515    | 23.258 | ng/ul  | 98       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.327 | 232  | 27326    | 23.271 | ng/ul  | 94       |
| 59) Diethylphthalate          | 15.509 | 149  | 106813   | 20.884 | ng/ul  | 97       |
| 61) Fluorene                  | 15.750 | 166  | 102247   | 22.064 | ng/ul  | 97       |
| 62) 4-Chlorophenyl-phenyle... | 15.738 | 204  | 52881    | 21.922 | ng/ul  | 87       |
| 63) 4-Nitroaniline            | 15.762 | 138  | 21189    | 21.723 | ng/ul  | 97       |
| 66) 4,6-Dinitro-2-methylph... | 15.826 | 198  | 14862    | 16.877 | ng/ul# | 84       |
| 67) N-Nitrosodiphenylamine    | 15.950 | 169  | 84698    | 20.934 | ng/ul  | 95       |
| 68) 4-Bromophenyl-phenylether | 16.631 | 248  | 35344    | 20.561 | ng/ul  | 94       |
| 69) Hexachlorobenzene         | 16.755 | 284  | 40877    | 21.018 | ng/ul  | 94       |
| 70) Atrazine                  | 16.896 | 200  | 38532    | 20.852 | ng/ul  | 99       |
| 71) Pentachlorophenol         | 17.101 | 266  | 17800    | 19.766 | ng/ul  | 93       |
| 72) Phenanthrene              | 17.489 | 178  | 163117   | 20.296 | ng/ul  | 98       |
| 74) Anthracene                | 17.583 | 178  | 165961   | 20.378 | ng/ul  | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 13.500 | 216  | 44600    | 21.261 | ng/ul  | 98       |
| 76) Pentachlorobenzene        | 15.022 | 250  | 48302    | 21.762 | ng/ul  | 93       |
| 77) Carbazole                 | 17.853 | 167  | 144995   | 19.914 | ng/ul  | 97       |
| 78) Di-n-butylphthalate       | 18.405 | 149  | 181363   | 20.030 | ng/ul  | 99       |
| 80) Fluoranthene              | 19.504 | 202  | 198996   | 22.229 | ng/ul  | 97       |
| 82) Pyrene                    | 19.862 | 202  | 199239   | 22.416 | ng/ul  | 99       |
| 83) Butylbenzylphthalate      | 20.743 | 149  | 76233    | 22.030 | ng/ul  | 95       |
| 84) 3,3'-Dichlorobenzidine    | 21.624 | 252  | 70436    | 21.260 | ng/ul  | 96       |
| 85) Benzo(a)anthracene        | 21.713 | 228  | 189614   | 21.509 | ng/ul  | 97       |
| 86) Bis(2-ethylhexyl)phtha... | 21.607 | 149  | 109011   | 21.227 | ng/ul  | 95       |
| 87) Chrysene                  | 21.777 | 228  | 176630   | 20.933 | ng/ul  | 97       |
| 89) Di-n-octyl phthalate      | 22.835 | 149  | 183168   | 21.400 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 23.968 | 252  | 197467m  | 21.636 | ng/ul  |          |
| 91) Benzo(k)fluoranthene      | 24.033 | 252  | 185000   | 20.712 | ng/ul  | 99       |
| 93) Benzo(a)pyrene            | 24.861 | 252  | 165536   | 20.907 | ng/ul  | 97       |
| 94) Indeno(1,2,3-cd)pyrene    | 28.756 | 276  | 225026   | 22.274 | ng/ul  | 100      |
| 95) Dibenzo(a,h)anthracene    | 28.821 | 278  | 183123   | 21.904 | ng/ul  | 96       |
| 96) Benzo(g,h,i)perylene      | 29.931 | 276  | 176671   | 21.034 | ng/ul# | 95       |

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

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