

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG011922\  
 Data File : BG052091.D  
 Acq On : 20 Jan 2022 2:43  
 Operator : CG/JU  
 Sample : PB142139BS  
 Misc :  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SLCS139

Manual Integrations  
 APPROVED

Reviewed By :Jagrut Upadhyay 01/20/2022  
 Supervised By :Yogesh Patel 01/23/2022

Quant Time: Jan 20 03:57:57 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG010622.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Jan 06 14:43:02 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.246  | 152  | 28222    | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 11.084 | 136  | 121080   | 20.000 | ng/u1  | # 0.00   |
| 38) Acenaphthene-d10          | 14.890 | 164  | 86092    | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.640 | 188  | 204260   | 20.000 | ng/u1  | # 0.00   |
| 79) Chrysene-d12              | 21.963 | 240  | 185997   | 20.000 | ng/u1  | # 0.00   |
| 88) Perylene-d12              | 25.447 | 264  | 192209   | 20.000 | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.570  | 96   | 3785m    | 4.792  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.993  | 84   | 59563    | 24.260 | ng/u1  | -0.01    |
| 7) Phenol-d5                  | 7.389  | 99   | 82302    | 29.796 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.553  | 67   | 47574    | 27.132 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.771  | 132  | 58564    | 32.023 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.951  | 113  | 64682    | 30.124 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 9.415  | 128  | 30455    | 31.832 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 10.150 | 143  | 35483    | 33.534 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.696 | 165  | 69498    | 33.602 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 11.207 | 131  | 76745    | 26.645 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 14.279 | 166  | 213920   | 30.061 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.585 | 160  | 270461   | 31.464 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 15.073 | 143  | 33630    | 28.266 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.877 | 176  | 190955   | 30.777 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.989 | 200  | 37198    | 28.868 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.740 | 188  | 306653   | 31.648 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 20.019 | 212  | 356078   | 33.264 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 25.206 | 264  | 334444   | 33.052 | ng/u1  | 0.01     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.612  | 88   | 8386     | 9.202  | ng/uL  | 95       |
| 5) Pyridine                   | 4.017  | 79   | 62679    | 24.368 | ng/u1  | 98       |
| 6) Benzaldehyde               | 7.365  | 77   | 49834    | 27.122 | ng/u1  | 95       |
| 8) Phenol                     | 7.412  | 94   | 84323    | 29.909 | ng/u1  | 93       |
| 10) Bis(2-Chloroethyl)ether   | 7.641  | 93   | 60056    | 29.100 | ng/u1  | 94       |
| 12) 2-Chlorophenol            | 7.806  | 128  | 60608    | 32.577 | ng/u1  | 98       |
| 13) 2-Methylphenol            | 8.681  | 108  | 62073    | 30.277 | ng/u1  | 96       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.775  | 45   | 83704    | 26.591 | ng/u1  | 99       |
| 16) Acetophenone              | 9.069  | 105  | 98275    | 28.999 | ng/u1  | 98       |
| 17) N-Nitroso-di-n-propyla... | 9.051  | 70   | 57110    | 27.585 | ng/u1  | 96       |
| 18) 4-Methylphenol            | 9.010  | 108  | 65805    | 29.631 | ng/u1  | 90       |
| 19) Hexachloroethane          | 9.351  | 117  | 24212    | 30.144 | ng/u1# | 75       |
| 22) Nitrobenzene              | 9.457  | 77   | 83152    | 28.021 | ng/u1# | 97       |
| 23) Isophorone                | 9.985  | 82   | 159279   | 28.390 | ng/u1  | 97       |
| 25) 2-Nitrophenol             | 10.185 | 139  | 37234    | 32.018 | ng/u1  | 95       |
| 26) 2,4-Dimethylphenol        | 10.232 | 107  | 79367    | 31.454 | ng/u1  | 98       |
| 27) Bis(2-Chloroethoxy)met... | 10.467 | 93   | 82873    | 28.689 | ng/u1  | 99       |
| 29) 2,4-Dichlorophenol        | 10.725 | 162  | 66048    | 32.516 | ng/u1  | 95       |
| 30) Naphthalene               | 11.137 | 128  | 202785   | 30.907 | ng/u1  | 98       |
| 32) 4-Chloroaniline           | 11.237 | 127  | 73388    | 25.001 | ng/u1  | 96       |
| 33) Hexachlorobutadiene       | 11.425 | 225  | 49890    | 30.813 | ng/u1  | 95       |
| 34) Caprolactam               | 11.983 | 113  | 24497m   | 30.987 | ng/u1  |          |
| 35) 4-Chloro-3-methylphenol   | 12.347 | 107  | 74558    | 31.791 | ng/u1  | 90       |
| 36) 2-Methylnaphthalene       | 12.729 | 142  | 147171   | 31.490 | ng/u1  | 98       |

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### Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 01/20/2022  
 Supervised By :Yogesh Patel 01/23/2022

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 37) 1-Methylnaphthalene       | 12.946 | 142  | 149114   | 31.089 | ng/ul  | 95       |
| 39) 1,2,4,5-Tetrachloroben... | 13.093 | 216  | 96189    | 32.309 | ng/ul  | 99       |
| 40) Hexachlorocyclopentadiene | 13.075 | 237  | 43002    | 21.050 | ng/ul  | 99       |
| 41) 2,4,6-Trichlorophenol     | 13.328 | 196  | 61686    | 32.782 | ng/ul  | 93       |
| 42) 2,4,5-Trichlorophenol     | 13.404 | 196  | 67154    | 33.106 | ng/ul  | 99       |
| 43) 1,1'-Biphenyl             | 13.721 | 154  | 209238   | 31.482 | ng/ul# | 94       |
| 44) 2-Chloronaphthalene       | 13.774 | 162  | 160648   | 31.210 | ng/ul  | 96       |
| 45) 2-Nitroaniline            | 13.962 | 65   | 58270    | 29.539 | ng/ul  | 93       |
| 47) Dimethylphthalate         | 14.326 | 163  | 206914   | 29.488 | ng/ul  | 99       |
| 48) 2,6-Dinitrotoluene        | 14.450 | 165  | 45695    | 30.886 | ng/ul  | 92       |
| 50) Acenaphthylene            | 14.614 | 152  | 267561   | 31.610 | ng/ul  | 97       |
| 51) 3-Nitroaniline            | 14.779 | 138  | 40906    | 30.566 | ng/ul  | 98       |
| 52) Acenaphthene              | 14.955 | 153  | 176837   | 31.421 | ng/ul  | 98       |
| 53) 2,4-Dinitrophenol         | 14.990 | 184  | 20391    | 23.377 | ng/ul  | 89       |
| 55) 4-Nitrophenol             | 15.084 | 109  | 36671    | 26.859 | ng/ul  | 91       |
| 56) Dibenzofuran              | 15.284 | 168  | 251809   | 30.806 | ng/ul  | 98       |
| 57) 2,4-Dinitrotoluene        | 15.237 | 165  | 66356    | 31.022 | ng/ul# | 92       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.513 | 232  | 59734    | 31.748 | ng/ul# | 86       |
| 59) Diethylphthalate          | 15.683 | 149  | 213258   | 29.458 | ng/ul  | 97       |
| 61) Fluorene                  | 15.936 | 166  | 212311   | 31.170 | ng/ul  | 99       |
| 62) 4-Chlorophenyl-phenyle... | 15.918 | 204  | 114767   | 30.363 | ng/ul  | 95       |
| 63) 4-Nitroaniline            | 15.942 | 138  | 41945    | 30.506 | ng/ul  | 89       |
| 66) 4,6-Dinitro-2-methylph... | 16.007 | 198  | 35512    | 28.826 | ng/ul  | 94       |
| 67) N-Nitrosodiphenylamine    | 16.130 | 169  | 182400   | 33.232 | ng/ul  | 95       |
| 68) 4-Bromophenyl-phenylether | 16.817 | 248  | 81545    | 34.102 | ng/ul# | 86       |
| 69) Hexachlorobenzene         | 16.946 | 284  | 90257    | 34.033 | ng/ul# | 89       |
| 70) Atrazine                  | 17.070 | 200  | 77738    | 30.529 | ng/ul  | 98       |
| 71) Pentachlorophenol         | 17.287 | 266  | 43305    | 29.239 | ng/ul  | 95       |
| 72) Phenanthrene              | 17.687 | 178  | 341294   | 31.888 | ng/ul  | 98       |
| 74) Anthracene                | 17.775 | 178  | 338711   | 31.614 | ng/ul  | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 13.698 | 216  | 102348   | 33.363 | ng/uL  | 99       |
| 76) Pentachlorobenzene        | 15.214 | 250  | 103218   | 34.571 | ng/uL  | 99       |
| 77) Carbazole                 | 18.039 | 167  | 299267   | 31.000 | ng/ul  | 98       |
| 78) Di-n-butylphthalate       | 18.580 | 149  | 357253   | 31.306 | ng/ul  | 100      |
| 80) Fluoranthene              | 19.684 | 202  | 425361   | 34.386 | ng/ul# | 89       |
| 82) Pyrene                    | 20.048 | 202  | 402494   | 33.047 | ng/ul# | 89       |
| 83) Butylbenzylphthalate      | 20.918 | 149  | 149792   | 35.340 | ng/ul# | 93       |
| 84) 3,3'-Dichlorobenzidine    | 21.840 | 252  | 137601   | 32.048 | ng/ul# | 98       |
| 85) Benzo(a)anthracene        | 21.940 | 228  | 403354   | 32.975 | ng/ul  | 99       |
| 86) Bis(2-ethylhexyl)phtha... | 21.822 | 149  | 210451   | 33.950 | ng/ul# | 98       |
| 87) Chrysene                  | 22.010 | 228  | 383228   | 32.536 | ng/ul  | 99       |
| 89) Di-n-octyl phthalate      | 23.120 | 149  | 351098   | 33.067 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 24.336 | 252  | 423573   | 33.253 | ng/ul# | 96       |
| 91) Benzo(k)fluoranthene      | 24.407 | 252  | 391314   | 33.226 | ng/ul# | 96       |
| 93) Benzo(a)pyrene            | 25.294 | 252  | 394661   | 32.738 | ng/ul# | 93       |
| 94) Indeno(1,2,3-cd)pyrene    | 29.477 | 276  | 463073   | 33.557 | ng/ul# | 88       |
| 95) Dibenzo(a,h)anthracene    | 29.547 | 278  | 395561   | 33.889 | ng/ul# | 92       |
| 96) Benzo(g,h,i)perylene      | 30.745 | 276  | 384729   | 33.158 | ng/ul# | 89       |

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

