

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG071221\  
 Data File : BG049319.D  
 Acq On : 13 Jul 2021 18:22  
 Operator : CG/JU  
 Sample : PB137664BS  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SLCS664

Manual Integrations  
 APPROVED

mohammad  
 7/14/2021 12:13:13 PM

Quant Time: Jul 14 03:03:59 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SFAM-EPA-BG070921.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Jul 09 03:15:38 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.068  | 152  | 27229    | 20.000 | ng/u1  | -0.01    |
| 20) Naphthalene-d8            | 10.888 | 136  | 107675   | 20.000 | ng/u1  | # 0.00   |
| 38) Acenaphthene-d10          | 14.713 | 164  | 75814    | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.463 | 188  | 178045   | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.746 | 240  | 172756   | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 25.036 | 264  | 183458   | 20.000 | ng/u1  | -0.01    |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.461  | 96   | 4087     | 7.060  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.878  | 84   | 61741    | 36.274 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 7.222  | 99   | 87621    | 36.994 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.386  | 67   | 50797    | 36.977 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.598  | 132  | 67890    | 38.783 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.779  | 113  | 72101    | 37.994 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 9.237  | 128  | 34249    | 41.451 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.960  | 143  | 40330    | 42.520 | ng/u1  | -0.01    |
| 28) 2,4-Dichlorophenol-d3     | 10.506 | 165  | 78546    | 42.440 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 11.023 | 131  | 87531    | 36.292 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 14.114 | 166  | 247217   | 42.400 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.407 | 160  | 289655   | 42.340 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.913 | 143  | 37458    | 38.814 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.706 | 176  | 206367   | 41.804 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.823 | 200  | 38500    | 34.020 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.562 | 188  | 335726   | 41.416 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.848 | 212  | 388513   | 43.878 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.813 | 264  | 410377   | 43.031 | ng/u1  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.497  | 88   | 8867     | 12.578 | ng/uL  | 95       |
| 5) Pyridine                   | 3.896  | 79   | 64112    | 33.954 | ng/u1# | 84       |
| 6) Benzaldehyde               | 7.198  | 77   | 57453    | 40.321 | ng/u1  | 92       |
| 8) Phenol                     | 7.251  | 94   | 86228    | 36.403 | ng/u1  | 97       |
| 10) Bis(2-Chloroethyl)ether   | 7.480  | 93   | 61553    | 34.949 | ng/u1# | 83       |
| 12) 2-Chlorophenol            | 7.633  | 128  | 65601    | 37.127 | ng/u1  | 93       |
| 13) 2-Methylphenol            | 8.508  | 108  | 64912    | 35.977 | ng/u1  | 99       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.591  | 45   | 103751   | 36.624 | ng/u1  | 95       |
| 16) Acetophenone              | 8.896  | 105  | 107391   | 34.498 | ng/u1  | 90       |
| 17) N-Nitroso-di-n-propyla... | 8.878  | 70   | 56241    | 35.556 | ng/u1  | 89       |
| 18) 4-Methylphenol            | 8.837  | 108  | 68701    | 36.600 | ng/u1  | 89       |
| 19) Hexachloroethane          | 9.155  | 117  | 28806    | 36.006 | ng/u1  | 93       |
| 22) Nitrobenzene              | 9.278  | 77   | 90803    | 38.969 | ng/u1# | 97       |
| 23) Isophorone                | 9.807  | 82   | 156055   | 38.770 | ng/u1  | 99       |
| 25) 2-Nitrophenol             | 9.995  | 139  | 38634    | 39.925 | ng/u1  | 99       |
| 26) 2,4-Dimethylphenol        | 10.054 | 107  | 81963    | 38.253 | ng/u1  | 96       |
| 27) Bis(2-Chloroethoxy)met... | 10.283 | 93   | 85326    | 39.761 | ng/u1  | 97       |
| 29) 2,4-Dichlorophenol        | 10.535 | 162  | 67101    | 39.679 | ng/u1  | 96       |
| 30) Naphthalene               | 10.941 | 128  | 206643   | 38.492 | ng/u1  | 97       |
| 32) 4-Chloroaniline           | 11.047 | 127  | 82947    | 34.883 | ng/u1  | 97       |
| 33) Hexachlorobutadiene       | 11.223 | 225  | 57080    | 39.803 | ng/u1  | 97       |
| 34) Caprolactam               | 11.816 | 113  | 23348m   | 39.688 | ng/u1  |          |
| 35) 4-Chloro-3-methylphenol   | 12.163 | 107  | 81006    | 42.883 | ng/u1  | 88       |
| 36) 2-Methylnaphthalene       | 12.545 | 142  | 159095   | 39.005 | ng/u1  | 97       |

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|-------------------------------|--------|------|----------|--------|--------|----------|
| 37) 1-Methylnaphthalene       | 12.762 | 142  | 155051   | 38.225 | ng/ul# | 96       |
| 39) 1,2,4,5-Tetrachloroben... | 12.909 | 216  | 96367    | 40.469 | ng/ul# | 98       |
| 40) Hexachlorocyclopentadiene | 12.886 | 237  | 55281    | 34.956 | ng/ul  | 94       |
| 41) 2,4,6-Trichlorophenol     | 13.144 | 196  | 65023    | 42.214 | ng/ul  | 89       |
| 42) 2,4,5-Trichlorophenol     | 13.220 | 196  | 70613    | 43.101 | ng/ul# | 92       |
| 43) 1,1'-Biphenyl             | 13.544 | 154  | 207998   | 40.608 | ng/ul  | 98       |
| 44) 2-Chloronaphthalene       | 13.591 | 162  | 159274   | 39.689 | ng/ul  | 98       |
| 45) 2-Nitroaniline            | 13.790 | 65   | 62505    | 42.483 | ng/ul  | 92       |
| 47) Dimethylphthalate         | 14.161 | 163  | 220977   | 40.832 | ng/ul  | 100      |
| 48) 2,6-Dinitrotoluene        | 14.284 | 165  | 47436    | 40.700 | ng/ul  | 88       |
| 50) Acenaphthylene            | 14.437 | 152  | 246558   | 40.524 | ng/ul  | 98       |
| 51) 3-Nitroaniline            | 14.619 | 138  | 40640    | 38.292 | ng/ul  | 96       |
| 52) Acenaphthene              | 14.777 | 153  | 178497   | 40.397 | ng/ul  | 99       |
| 53) 2,4-Dinitrophenol         | 14.830 | 184  | 22339    | 30.243 | ng/ul  | 96       |
| 55) 4-Nitrophenol             | 14.924 | 109  | 49252    | 40.428 | ng/ul  | 92       |
| 56) Dibenzofuran              | 15.112 | 168  | 257460   | 41.114 | ng/ul  | 94       |
| 57) 2,4-Dinitrotoluene        | 15.071 | 165  | 67910    | 40.378 | ng/ul# | 98       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.336 | 232  | 59494    | 38.725 | ng/ul# | 91       |
| 59) Diethylphthalate          | 15.524 | 149  | 231437   | 39.784 | ng/ul  | 97       |
| 61) Fluorene                  | 15.759 | 166  | 215456   | 40.653 | ng/ul  | 94       |
| 62) 4-Chlorophenyl-phenyle... | 15.753 | 204  | 118862   | 40.797 | ng/ul  | 95       |
| 63) 4-Nitroaniline            | 15.776 | 138  | 44238    | 42.460 | ng/ul  | 87       |
| 66) 4,6-Dinitro-2-methylph... | 15.835 | 198  | 36333    | 33.738 | ng/ul# | 98       |
| 67) N-Nitrosodiphenylamine    | 15.964 | 169  | 184890   | 40.787 | ng/ul  | 99       |
| 68) 4-Bromophenyl-phenylether | 16.646 | 248  | 81086    | 40.832 | ng/ul  | 94       |
| 69) Hexachlorobenzene         | 16.769 | 284  | 91788    | 40.813 | ng/ul  | 96       |
| 70) Atrazine                  | 16.910 | 200  | 84384    | 40.675 | ng/ul  | 93       |
| 71) Pentachlorophenol         | 17.116 | 266  | 53601    | 39.933 | ng/ul  | 97       |
| 72) Phenanthrene              | 17.504 | 178  | 347003   | 39.958 | ng/ul  | 98       |
| 74) Anthracene                | 17.598 | 178  | 350922   | 39.558 | ng/ul  | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 13.514 | 216  | 100023   | 41.180 | ng/ul  | 93       |
| 76) Pentachlorobenzene        | 15.030 | 250  | 106787   | 41.443 | ng/ul  | 97       |
| 77) Carbazole                 | 17.868 | 167  | 308106   | 38.933 | ng/ul  | 99       |
| 78) Di-n-butylphthalate       | 18.414 | 149  | 380521   | 38.431 | ng/ul  | 98       |
| 80) Fluoranthene              | 19.513 | 202  | 432692   | 42.018 | ng/ul  | 99       |
| 82) Pyrene                    | 19.877 | 202  | 423390   | 41.264 | ng/ul  | 99       |
| 83) Butylbenzylphthalate      | 20.753 | 149  | 166298   | 41.283 | ng/ul  | 96       |
| 84) 3,3'-Dichlorobenzidine    | 21.640 | 252  | 154879   | 38.372 | ng/ul  | 99       |
| 85) Benzo(a)anthracene        | 21.728 | 228  | 429395   | 40.446 | ng/ul  | 98       |
| 86) Bis(2-ethylhexyl)phtha... | 21.622 | 149  | 241039   | 41.025 | ng/ul  | 99       |
| 87) Chrysene                  | 21.793 | 228  | 411023   | 40.929 | ng/ul  | 99       |
| 89) Di-n-octyl phthalate      | 22.856 | 149  | 407979   | 39.508 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 23.984 | 252  | 461244   | 40.754 | ng/ul# | 98       |
| 91) Benzo(k)fluoranthene      | 24.055 | 252  | 450641   | 40.837 | ng/ul  | 97       |
| 93) Benzo(a)pyrene            | 24.877 | 252  | 406256   | 40.789 | ng/ul  | 98       |
| 94) Indeno(1,2,3-cd)pyrene    | 28.790 | 276  | 530450   | 41.278 | ng/ul  | 97       |
| 95) Dibenzo(a,h)anthracene    | 28.861 | 278  | 436175   | 40.979 | ng/ul  | 96       |
| 96) Benzo(g,h,i)perylene      | 29.983 | 276  | 438624m  | 41.284 | ng/ul  |          |

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

