

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG090721\  
 Data File : BG050225.D  
 Acq On : 9 Sep 2021 9:52  
 Operator : CG/JU  
 Sample : M3608-20MS  
 Misc :  
 ALS Vial : 53 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 DBKL5MS

Manual Integrations  
 APPROVED

mohammad

9/10/2021 3:21:35 PM

Quant Time: Sep 09 11:13:12 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SFAM-EPA-BG090721.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Sep 07 18:32:38 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| -----                         |        |      |          |         |        |          |
| Internal Standards            |        |      |          |         |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.946  | 152  | 46833    | 20.000  | ng/ul  | 0.00     |
| 20) Naphthalene-d8            | 10.778 | 136  | 217897   | 20.000  | ng/ul  | # 0.00   |
| 38) Acenaphthene-d10          | 14.614 | 164  | 103485   | 20.000  | ng/ul  | 0.00     |
| 64) Phenanthrene-d10          | 17.375 | 188  | 221163   | 20.000  | ng/ul  | 0.00     |
| 79) Chrysene-d12              | 21.639 | 240  | 236789   | 20.000  | ng/ul  | 0.00     |
| 88) Perylene-d12              | 24.853 | 264  | 253159   | 20.000  | ng/ul  | 0.00     |
| System Monitoring Compounds   |        |      |          |         |        |          |
| 3) 1,4-Dioxane-d8             | 3.305  | 96   | 3711     | 3.917   | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.740  | 84   | 49795    | 14.808  | ng/ul  | 0.00     |
| 7) Phenol-d5                  | 7.118  | 99   | 41744    | 11.480  | ng/ul  | -0.01    |
| 9) Bis-(2-Chloroethyl)eth...  | 7.271  | 67   | 69137    | 32.556  | ng/ul  | -0.01    |
| 11) 2-Chlorophenol-d4         | 7.476  | 132  | 79591    | 26.373  | ng/ul  | -0.01    |
| 15) 4-Methylphenol-d8         | 8.675  | 113  | 56382    | 19.721  | ng/ul  | 0.00     |
| 21) Nitrobenzene-d5           | 9.121  | 128  | 45578    | 30.474  | ng/ul  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.850  | 143  | 49320    | 27.119  | ng/ul  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.408 | 165  | 94904    | 27.342  | ng/ul  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.913 | 131  | 115321   | 26.967  | ng/ul  | 0.00     |
| 46) Dimethylphthalate-d6      | 14.026 | 166  | 299074   | 38.274  | ng/ul  | 0.00     |
| 49) Acenaphthylene-d8         | 14.308 | 160  | 353393   | 37.982  | ng/ul  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.855 | 143  | 14708    | 15.600  | ng/ul  | 0.00     |
| 60) Fluorene-d10              | 15.612 | 176  | 259186   | 39.948  | ng/ul  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.759 | 200  | 120475   | 90.305  | ng/ul  | 0.00     |
| 73) Anthracene-d10            | 17.475 | 188  | 391675   | 39.450  | ng/ul  | 0.00     |
| 81) Pyrene-d10                | 19.760 | 212  | 473950   | 40.184  | ng/ul  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.641 | 264  | 520615   | 38.848  | ng/ul  | 0.00     |
| Target Compounds              |        |      |          |         |        |          |
|                               |        |      |          |         | Qvalue |          |
| 2) 1,4-Dioxane                | 3.347  | 88   | 9072     | 8.410   | ng/uL# | 87       |
| 5) Pyridine                   | 3.752  | 79   | 56334    | 15.939  | ng/ul# | 93       |
| 6) Benzaldehyde               | 7.083  | 77   | 94185    | 46.725  | ng/ul# | 81       |
| 8) Phenol                     | 7.147  | 94   | 46454    | 12.973  | ng/ul  | 96       |
| 10) Bis(2-Chloroethyl)ether   | 7.365  | 93   | 91745    | 34.557  | ng/ul  | 95       |
| 12) 2-Chlorophenol            | 7.512  | 128  | 79020    | 26.871  | ng/ul# | 89       |
| 13) 2-Methylphenol            | 8.404  | 108  | 74346    | 25.796  | ng/ul  | 99       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.475  | 45   | 82034    | 30.617  | ng/ul# | 90       |
| 16) Acetophenone              | 8.780  | 105  | 154454m  | 36.718  | ng/ul  |          |
| 17) N-Nitroso-di-n-propyla... | 8.763  | 70   | 76281    | 34.007  | ng/ul  | 97       |
| 18) 4-Methylphenol            | 8.739  | 108  | 70195    | 25.643  | ng/ul  | 83       |
| 19) Hexachloroethane          | 9.027  | 117  | 47471    | 38.701  | ng/ul  | 96       |
| 22) Nitrobenzene              | 9.168  | 77   | 123037   | 31.588  | ng/ul  | 99       |
| 23) Isophorone                | 9.697  | 82   | 223577   | 30.059  | ng/ul  | 95       |
| 25) 2-Nitrophenol             | 9.885  | 139  | 49673    | 27.687  | ng/ul  | 88       |
| 26) 2,4-Dimethylphenol        | 9.949  | 107  | 126607   | 29.655  | ng/ul  | 92       |
| 27) Bis(2-Chloroethoxy)met... | 10.179 | 93   | 143614   | 31.831  | ng/ul  | 93       |
| 29) 2,4-Dichlorophenol        | 10.437 | 162  | 94382    | 29.729  | ng/ul  | 98       |
| 30) Naphthalene               | 10.866 | 128  | 8389905  | 838.367 | ng/ul# | 40       |
| 32) 4-Chloroaniline           | 10.936 | 127  | 114679   | 28.469  | ng/ul  | 91       |
| 33) Hexachlorobutadiene       | 11.101 | 225  | 76611    | 30.444  | ng/ul  | 96       |
| 34) Caprolactam               | 11.953 | 113  | 8200     | 8.490   | ng/ul# | 83       |
| 35) 4-Chloro-3-methylphenol   | 12.070 | 107  | 111548   | 31.174  | ng/ul  | 98       |
| 36) 2-Methylnaphthalene       | 12.434 | 142  | 385937   | 52.151  | ng/ul  | 98       |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG090721\  
 Data File : BG050225.D  
 Acq On : 9 Sep 2021 9:52  
 Operator : CG/JU  
 Sample : M3608-20MS  
 Misc :  
 ALS Vial : 53 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 DBKL5MS

Manual Integrations  
 APPROVED

mohammad

9/10/2021 3:21:35 PM

Quant Time: Sep 09 11:13:12 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SFAM-EPA-BG090721.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Sep 07 18:32:38 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 37) 1-Methylnaphthalene       | 12.663 | 142  | 1331394  | 187.363  | ng/ul  | 99       |
| 39) 1,2,4,5-Tetrachloroben... | 12.804 | 216  | 128401   | 36.685   | ng/ul# | 94       |
| 40) Hexachlorocyclopentadiene | 12.775 | 237  | 4564     | 4.809    | ng/ul  | 92       |
| 41) 2,4,6-Trichlorophenol     | 13.051 | 196  | 78521    | 39.734   | ng/ul  | 91       |
| 42) 2,4,5-Trichlorophenol     | 13.127 | 196  | 112627   | 54.499   | ng/ul  | 93       |
| 43) 1,1'-Biphenyl             | 13.445 | 154  | 651418   | 87.195   | ng/ul  | 98       |
| 44) 2-Chloronaphthalene       | 13.486 | 162  | 219780   | 37.408   | ng/ul  | 99       |
| 45) 2-Nitroaniline            | 13.703 | 65   | 75319    | 40.494   | ng/ul  | 98       |
| 47) Dimethylphthalate         | 14.073 | 163  | 296006   | 39.689   | ng/ul  | 99       |
| 48) 2,6-Dinitrotoluene        | 14.197 | 165  | 64890    | 40.863   | ng/ul  | 93       |
| 50) Acenaphthylene            | 14.338 | 152  | 392231   | 45.107   | ng/ul  | 95       |
| 51) 3-Nitroaniline            | 14.537 | 138  | 57563    | 39.816   | ng/ul  | 98       |
| 52) Acenaphthene              | 14.690 | 153  | 1498800  | 241.899  | ng/ul  | 96       |
| 53) 2,4-Dinitrophenol         | 14.761 | 184  | 28457    | 43.756   | ng/ul# | 1        |
| 55) 4-Nitrophenol             | 14.866 | 109  | 17199m   | 16.392   | ng/ul  |          |
| 56) Dibenzofuran              | 15.019 | 168  | 1229636  | 144.247  | ng/ul  | 96       |
| 57) 2,4-Dinitrotoluene        | 14.996 | 165  | 94415    | 41.606   | ng/ul# | 87       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.254 | 232  | 327661   | 209.334  | ng/ul# | 95       |
| 59) Diethylphthalate          | 15.430 | 149  | 306761   | 40.694   | ng/ul  | 97       |
| 61) Fluorene                  | 15.671 | 166  | 892838   | 124.926  | ng/ul  | 95       |
| 62) 4-Chlorophenyl-phenyle... | 15.653 | 204  | 148769   | 39.094   | ng/ul  | 98       |
| 63) 4-Nitroaniline            | 15.700 | 138  | 70521m   | 52.375   | ng/ul  |          |
| 66) 4,6-Dinitro-2-methylph... | 15.765 | 198  | 245859   | 207.504  | ng/ul# | 63       |
| 67) N-Nitrosodiphenylamine    | 15.871 | 169  | 246558   | 41.229   | ng/ul  | 95       |
| 68) 4-Bromophenyl-phenylether | 16.546 | 248  | 106052   | 40.465   | ng/ul# | 89       |
| 69) Hexachlorobenzene         | 16.676 | 284  | 120828   | 40.663   | ng/ul  | 93       |
| 70) Atrazine                  | 16.846 | 200  | 98997    | 39.481   | ng/ul  | 98       |
| 71) Pentachlorophenol         | 17.052 | 266  | 1818873  | 2234.636 | ng/ul  | 98       |
| 72) Phenanthrene              | 17.422 | 178  | 1170478  | 103.767  | ng/ul  | 97       |
| 74) Anthracene                | 17.510 | 178  | 514382   | 44.973   | ng/ul  | 94       |
| 75) 1,2,3,4-Tetrachloroben... | 13.409 | 216  | 134982   | 39.383   | ng/uL  | 92       |
| 76) Pentachlorobenzene        | 14.937 | 250  | 135661   | 38.334   | ng/uL  | 98       |
| 77) Carbazole                 | 17.798 | 167  | 2864223  | 284.048  | ng/ul# | 88       |
| 78) Di-n-butylphthalate       | 18.320 | 149  | 485357   | 39.802   | ng/ul  | 100      |
| 80) Fluoranthene              | 19.425 | 202  | 598900   | 40.855   | ng/ul# | 98       |
| 82) Pyrene                    | 19.789 | 202  | 578387   | 40.227   | ng/ul  | 98       |
| 83) Butylbenzylphthalate      | 20.664 | 149  | 233373   | 42.440   | ng/ul  | 96       |
| 84) 3,3'-Dichlorobenzidine    | 21.534 | 252  | 133927   | 26.222   | ng/ul# | 99       |
| 85) Benzo(a)anthracene        | 21.622 | 228  | 583092   | 40.223   | ng/ul  | 99       |
| 86) Bis(2-ethylhexyl)phtha... | 21.504 | 149  | 338675   | 41.240   | ng/ul  | 98       |
| 87) Chrysene                  | 21.686 | 228  | 555589   | 41.114   | ng/ul  | 95       |
| 89) Di-n-octyl phthalate      | 22.709 | 149  | 570373   | 38.929   | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 23.837 | 252  | 706449   | 44.590   | ng/ul# | 98       |
| 91) Benzo(k)fluoranthene      | 23.901 | 252  | 599424   | 39.635   | ng/ul  | 99       |
| 93) Benzo(a)pyrene            | 24.706 | 252  | 553651   | 39.973   | ng/ul# | 97       |
| 94) Indeno(1,2,3-cd)pyrene    | 28.554 | 276  | 731567   | 40.309   | ng/ul# | 96       |
| 95) Dibenzo(a,h)anthracene    | 28.601 | 278  | 605339   | 40.207   | ng/ul  | 98       |
| 96) Benzo(g,h,i)perylene      | 29.705 | 276  | 582198   | 40.038   | ng/ul  | 95       |

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

