

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG120221\  
 Data File : BG051335.D  
 Acq On : 3 Dec 2021 18:45  
 Operator : CG/JU  
 Sample : M4833-09MS  
 Misc :  
 ALS Vial : 40 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 ESQM8MS

Quant Time: Dec 03 23:37:03 2021  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG112321.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Dec 03 15:23:09 2021  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 12/06/2021  
 Supervised By :mohammad ahmed 12/07/2021

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.194  | 152  | 25551    | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 11.020 | 136  | 109426   | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.827 | 164  | 72604    | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.577 | 188  | 166696   | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.877 | 240  | 140754   | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 25.279 | 264  | 141857   | 20.000 | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.534  | 96   | 3990     | 5.427  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.963  | 84   | 50868    | 23.577 | ng/u1  | -0.02    |
| 7) Phenol-d5                  | 7.353  | 99   | 87814    | 34.774 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.506  | 67   | 55756    | 35.155 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.723  | 132  | 64392    | 35.410 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.910  | 113  | 64840    | 31.818 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 9.369  | 128  | 34258    | 37.087 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 10.097 | 143  | 40208    | 38.588 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.644 | 165  | 66275    | 37.488 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 11.161 | 131  | 63163    | 24.417 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 14.222 | 166  | 214392   | 38.377 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.521 | 160  | 267986   | 38.042 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 15.050 | 143  | 34133    | 37.747 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.814 | 176  | 198457   | 39.450 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.949 | 200  | 33962    | 33.017 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.677 | 188  | 302171   | 37.902 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.956 | 212  | 353423   | 41.498 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 25.044 | 264  | 305204   | 40.285 | ng/u1  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.570  | 88   | 10130    | 12.216 | ng/uL# | 96       |
| 5) Pyridine                   | 3.981  | 79   | 65024    | 28.963 | ng/u1  | 98       |
| 6) Benzaldehyde               | 7.324  | 77   | 63502    | 39.486 | ng/u1  | 94       |
| 8) Phenol                     | 7.383  | 94   | 103812   | 39.683 | ng/u1  | 99       |
| 10) Bis(2-Chloroethyl)ether   | 7.600  | 93   | 76225    | 38.514 | ng/u1  | 97       |
| 12) 2-Chlorophenol            | 7.759  | 128  | 71623    | 38.651 | ng/u1  | 99       |
| 13) 2-Methylphenol            | 8.640  | 108  | 71008    | 36.440 | ng/u1  | 98       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.711  | 45   | 111416   | 39.011 | ng/u1  | 98       |
| 16) Acetophenone              | 9.022  | 105  | 121549   | 38.562 | ng/u1  | 97       |
| 17) N-Nitroso-di-n-propyla... | 8.993  | 70   | 69950    | 38.618 | ng/u1  | 96       |
| 18) 4-Methylphenol            | 8.975  | 108  | 78240    | 37.549 | ng/u1  | 93       |
| 19) Hexachloroethane          | 9.275  | 117  | 29871    | 38.164 | ng/u1  | 98       |
| 22) Nitrobenzene              | 9.416  | 77   | 102121   | 42.162 | ng/u1  | 97       |
| 23) Isophorone                | 9.927  | 82   | 191731   | 40.745 | ng/u1  | 98       |
| 25) 2-Nitrophenol             | 10.127 | 139  | 44300    | 41.046 | ng/u1  | 98       |
| 26) 2,4-Dimethylphenol        | 10.179 | 107  | 46940    | 21.272 | ng/u1  | 100      |
| 27) Bis(2-Chloroethoxy)met... | 10.409 | 93   | 104408   | 40.191 | ng/u1  | 97       |
| 29) 2,4-Dichlorophenol        | 10.673 | 162  | 71214    | 40.921 | ng/u1  | 94       |
| 30) Naphthalene               | 11.072 | 128  | 244384   | 41.045 | ng/u1  | 97       |
| 32) 4-Chloroaniline           | 11.184 | 127  | 89536    | 34.477 | ng/u1  | 96       |
| 33) Hexachlorobutadiene       | 11.331 | 225  | 46405    | 38.659 | ng/u1  | 99       |
| 34) Caprolactam               | 11.954 | 113  | 29310m   | 42.841 | ng/u1  |          |
| 35) 4-Chloro-3-methylphenol   | 12.306 | 107  | 89415    | 42.771 | ng/u1  | 99       |
| 36) 2-Methylnaphthalene       | 12.665 | 142  | 164302   | 40.569 | ng/u1  | 99       |

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| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 37) 1-Methylnaphthalene       | 12.882 | 142  | 165299   | 39.672 | ng/ul  | 98       |
| 39) 1,2,4,5-Tetrachloroben... | 13.023 | 216  | 94958    | 41.660 | ng/ul  | 98       |
| 40) Hexachlorocyclopentadiene | 12.994 | 237  | 7375     | 8.005  | ng/ul  | 93       |
| 41) 2,4,6-Trichlorophenol     | 13.270 | 196  | 61192    | 42.781 | ng/ul  | 97       |
| 42) 2,4,5-Trichlorophenol     | 13.352 | 196  | 66759    | 44.569 | ng/ul  | 98       |
| 43) 1,1'-Biphenyl             | 13.658 | 154  | 218568   | 40.305 | ng/ul  | 96       |
| 44) 2-Chloronaphthalene       | 13.711 | 162  | 176277   | 40.865 | ng/ul  | 99       |
| 45) 2-Nitroaniline            | 13.916 | 65   | 67549    | 45.246 | ng/ul  | 91       |
| 47) Dimethylphthalate         | 14.263 | 163  | 234119   | 41.403 | ng/ul  | 99       |
| 48) 2,6-Dinitrotoluene        | 14.404 | 165  | 52816    | 44.466 | ng/ul  | 93       |
| 50) Acenaphthylene            | 14.551 | 152  | 286561   | 41.174 | ng/ul  | 98       |
| 51) 3-Nitroaniline            | 14.739 | 138  | 52511    | 44.725 | ng/ul  | 96       |
| 52) Acenaphthene              | 14.892 | 153  | 197537   | 43.037 | ng/ul  | 96       |
| 53) 2,4-Dinitrophenol         | 14.962 | 184  | 19085    | 29.069 | ng/ul  | 91       |
| 55) 4-Nitrophenol             | 15.062 | 109  | 35878    | 45.737 | ng/ul  | 92       |
| 56) Dibenzofuran              | 15.221 | 168  | 274945   | 41.529 | ng/ul  | 99       |
| 57) 2,4-Dinitrotoluene        | 15.197 | 165  | 77755    | 45.833 | ng/ul  | 97       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.456 | 232  | 51461    | 43.751 | ng/ul  | 97       |
| 59) Diethylphthalate          | 15.620 | 149  | 256193   | 43.163 | ng/ul  | 99       |
| 61) Fluorene                  | 15.873 | 166  | 236321   | 44.563 | ng/ul  | 96       |
| 62) 4-Chlorophenyl-phenyle... | 15.855 | 204  | 116508   | 40.767 | ng/ul  | 94       |
| 63) 4-Nitroaniline            | 15.902 | 138  | 57339m   | 50.186 | ng/ul  |          |
| 66) 4,6-Dinitro-2-methylph... | 15.967 | 198  | 39728    | 40.047 | ng/ul# | 96       |
| 67) N-Nitrosodiphenylamine    | 16.073 | 169  | 204072   | 42.763 | ng/ul  | 99       |
| 68) 4-Bromophenyl-phenylether | 16.748 | 248  | 75772    | 42.412 | ng/ul  | 95       |
| 69) Hexachlorobenzene         | 16.877 | 284  | 79980    | 43.903 | ng/ul  | 97       |
| 70) Atrazine                  | 17.013 | 200  | 83359    | 41.563 | ng/ul  | 100      |
| 71) Pentachlorophenol         | 17.230 | 266  | 20843    | 25.820 | ng/ul  | 97       |
| 72) Phenanthrene              | 17.618 | 178  | 551784   | 59.951 | ng/ul  | 99       |
| 74) Anthracene                | 17.712 | 178  | 416834   | 45.601 | ng/ul  | 100      |
| 75) 1,2,3,4-Tetrachloroben... | 13.628 | 216  | 95153    | 39.134 | ng/uL  | 95       |
| 76) Pentachlorobenzene        | 15.144 | 250  | 90124    | 39.781 | ng/uL  | 99       |
| 77) Carbazole                 | 17.982 | 167  | 371601   | 46.314 | ng/ul  | 99       |
| 78) Di-n-butylphthalate       | 18.505 | 149  | 456393   | 44.115 | ng/ul  | 99       |
| 80) Fluoranthene              | 19.621 | 202  | 747633   | 71.472 | ng/ul  | 98       |
| 82) Pyrene                    | 19.986 | 202  | 682228   | 66.673 | ng/ul  | 98       |
| 83) Butylbenzylphthalate      | 20.843 | 149  | 189853   | 44.630 | ng/ul  | 94       |
| 84) 3,3'-Dichlorobenzidine    | 21.760 | 252  | 101217   | 30.886 | ng/ul  | 98       |
| 85) Benzo(a)anthracene        | 21.860 | 228  | 557830   | 58.432 | ng/ul  | 99       |
| 86) Bis(2-ethylhexyl)phtha... | 21.713 | 149  | 274617   | 44.862 | ng/ul  | 99       |
| 87) Chrysene                  | 21.930 | 228  | 523592   | 57.091 | ng/ul  | 98       |
| 89) Di-n-octyl phthalate      | 22.976 | 149  | 461678   | 44.923 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 24.192 | 252  | 559574   | 58.451 | ng/ul  | 99       |
| 91) Benzo(k)fluoranthene      | 24.263 | 252  | 457374   | 50.911 | ng/ul  | 98       |
| 93) Benzo(a)pyrene            | 25.121 | 252  | 509495   | 55.785 | ng/ul  | 98       |
| 94) Indeno(1,2,3-cd)pyrene    | 29.216 | 276  | 533485   | 52.198 | ng/ul  | 99       |
| 95) Dibenzo(a,h)anthracene    | 29.263 | 278  | 410107   | 47.298 | ng/ul  | 97       |
| 96) Benzo(g,h,i)perylene      | 30.432 | 276  | 274726   | 31.949 | ng/ul  | 96       |

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

