

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG110123\  
 Data File : BG059573.D  
 Acq On : 1 Nov 2023 10:34  
 Operator : MA/JU  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSTD020467

Quant Time: Nov 02 02:40:41 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG102723.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Sat Oct 28 03:56:42 2023  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/03/2023  
 Supervised By :mohammad ahmed 11/03/2023

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.355  | 152  | 87177    | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 11.205 | 136  | 439088   | 20.000 | ng/u1  | # 0.00   |
| 38) Acenaphthene-d10          | 14.988 | 164  | 254197   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.738 | 188  | 547607   | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 22.074 | 240  | 436919   | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 25.682 | 264  | 469773   | 20.000 | ng/u1  | -0.01    |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.655  | 96   | 17564    | 7.538  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 4.089  | 84   | 122061   | 18.747 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 7.468  | 99   | 168204   | 18.776 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.673  | 67   | 74804    | 18.179 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.867  | 132  | 137561   | 18.928 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 9.042  | 113  | 129069   | 18.160 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 9.554  | 128  | 64971    | 20.810 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 10.276 | 143  | 83251    | 25.975 | ng/u1  | -0.01    |
| 28) 2,4-Dichlorophenol-d3     | 10.799 | 165  | 144386   | 20.447 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 11.346 | 131  | 217440   | 18.705 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 14.377 | 166  | 427215   | 18.551 | ng/u1  | -0.01    |
| 49) Acenaphthylene-d8         | 14.689 | 160  | 515766   | 19.084 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 15.147 | 143  | 83708    | 21.196 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.976 | 176  | 373287   | 18.966 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 16.075 | 200  | 57812    | 22.293 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.838 | 188  | 573601   | 19.334 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 20.106 | 212  | 600063   | 19.759 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 25.435 | 264  | 524085m  | 18.945 | ng/u1  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.696  | 88   | 18265    | 7.004  | ng/uL# | 94       |
| 5) Pyridine                   | 4.113  | 79   | 133344   | 20.762 | ng/u1# | 80       |
| 6) Benzaldehyde               | 7.497  | 77   | 87864    | 21.775 | ng/u1  | 98       |
| 8) Phenol                     | 7.497  | 94   | 155809   | 18.449 | ng/u1  | 95       |
| 10) Bis(2-Chloroethyl)ether   | 7.773  | 93   | 119930   | 19.364 | ng/u1  | 96       |
| 12) 2-Chlorophenol            | 7.903  | 128  | 136102   | 18.890 | ng/u1  | 94       |
| 13) 2-Methylphenol            | 8.778  | 108  | 133193   | 18.918 | ng/u1  | 86       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.860  | 45   | 95153    | 16.326 | ng/u1# | 91       |
| 16) Acetophenone              | 9.201  | 105  | 212791   | 18.994 | ng/u1  | 94       |
| 17) N-Nitroso-di-n-propyla... | 9.160  | 70   | 90229    | 17.093 | ng/u1# | 94       |
| 18) 4-Methylphenol            | 9.107  | 108  | 141554   | 18.897 | ng/u1# | 76       |
| 19) Hexachloroethane          | 9.448  | 117  | 53709    | 18.769 | ng/u1  | 93       |
| 22) Nitrobenzene              | 9.601  | 77   | 134804   | 20.004 | ng/u1  | 98       |
| 23) Isophorone                | 10.106 | 82   | 311080   | 18.331 | ng/u1# | 90       |
| 25) 2-Nitrophenol             | 10.312 | 139  | 80310    | 23.299 | ng/u1# | 81       |
| 26) 2,4-Dimethylphenol        | 10.329 | 107  | 176706   | 19.490 | ng/u1  | 98       |
| 27) Bis(2-Chloroethoxy)met... | 10.588 | 93   | 178274   | 18.866 | ng/u1  | 94       |
| 29) 2,4-Dichlorophenol        | 10.823 | 162  | 143256   | 20.969 | ng/u1# | 92       |
| 30) Naphthalene               | 11.258 | 128  | 514056   | 18.783 | ng/u1# | 94       |
| 32) 4-Chloroaniline           | 11.375 | 127  | 215589   | 19.525 | ng/u1# | 82       |
| 33) Hexachlorobutadiene       | 11.487 | 225  | 82563    | 20.145 | ng/u1  | 90       |
| 34) Caprolactam               | 12.139 | 113  | 46541m   | 18.622 | ng/u1  |          |
| 35) 4-Chloro-3-methylphenol   | 12.433 | 107  | 168221   | 20.637 | ng/u1  | 89       |
| 36) 2-Methylnaphthalene       | 12.832 | 142  | 373992   | 19.864 | ng/u1  | 95       |

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| 37) 1-Methylnaphthalene       | 13.050 | 142  | 347824   | 18.547 | ng/ul  | 97       |
| 39) 1,2,4,5-Tetrachloroben... | 13.179 | 216  | 147730   | 20.149 | ng/ul  | 96       |
| 40) Hexachlorocyclopentadiene | 13.132 | 237  | 83284    | 19.487 | ng/ul  | 99       |
| 41) 2,4,6-Trichlorophenol     | 13.414 | 196  | 108524   | 21.377 | ng/ul  | 95       |
| 42) 2,4,5-Trichlorophenol     | 13.478 | 196  | 113978   | 20.737 | ng/ul  | 89       |
| 43) 1,1'-Biphenyl             | 13.825 | 154  | 438694   | 19.077 | ng/ul  | 97       |
| 44) 2-Chloronaphthalene       | 13.878 | 162  | 340496   | 19.051 | ng/ul  | 97       |
| 45) 2-Nitroaniline            | 14.089 | 65   | 88846    | 26.716 | ng/ul  | 95       |
| 47) Dimethylphthalate         | 14.430 | 163  | 420190   | 18.468 | ng/ul# | 99       |
| 48) 2,6-Dinitrotoluene        | 14.565 | 165  | 81283    | 23.682 | ng/ul# | 77       |
| 50) Acenaphthylene            | 14.718 | 152  | 589614   | 18.935 | ng/ul# | 97       |
| 51) 3-Nitroaniline            | 14.906 | 138  | 95954    | 22.429 | ng/ul# | 78       |
| 52) Acenaphthene              | 15.053 | 153  | 371971   | 18.325 | ng/ul  | 99       |
| 53) 2,4-Dinitrophenol         | 15.094 | 184  | 39377    | 20.191 | ng/ul# | 60       |
| 55) 4-Nitrophenol             | 15.165 | 109  | 96602    | 22.196 | ng/ul  | 95       |
| 56) Dibenzofuran              | 15.382 | 168  | 496411   | 18.864 | ng/ul  | 96       |
| 57) 2,4-Dinitrotoluene        | 15.341 | 165  | 117168   | 24.269 | ng/ul# | 94       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.588 | 232  | 89502    | 20.748 | ng/ul# | 88       |
| 59) Diethylphthalate          | 15.776 | 149  | 451763   | 18.202 | ng/ul  | 98       |
| 61) Fluorene                  | 16.028 | 166  | 423174   | 18.627 | ng/ul  | 97       |
| 62) 4-Chlorophenyl-phenyle... | 16.017 | 204  | 195815   | 20.169 | ng/ul  | 90       |
| 63) 4-Nitroaniline            | 16.064 | 138  | 102683   | 22.616 | ng/ul# | 85       |
| 66) 4,6-Dinitro-2-methylph... | 16.093 | 198  | 60218    | 22.033 | ng/ul# | 87       |
| 67) N-Nitrosodiphenylamine    | 16.228 | 169  | 353125   | 18.872 | ng/ul  | 94       |
| 68) 4-Bromophenyl-phenylether | 16.916 | 248  | 105130   | 19.185 | ng/ul  | 91       |
| 69) Hexachlorobenzene         | 17.004 | 284  | 127872   | 20.191 | ng/ul# | 89       |
| 70) Atrazine                  | 17.168 | 200  | 116030   | 20.012 | ng/ul  | 96       |
| 71) Pentachlorophenol         | 17.356 | 266  | 77778    | 21.498 | ng/ul  | 97       |
| 72) Phenanthrene              | 17.779 | 178  | 676104   | 18.992 | ng/ul  | 97       |
| 74) Anthracene                | 17.873 | 178  | 693676   | 19.298 | ng/ul  | 96       |
| 75) 1,2,3,4-Tetrachloroben... | 13.784 | 216  | 146309   | 20.063 | ng/ul  | 91       |
| 76) Pentachlorobenzene        | 15.270 | 250  | 141691   | 20.476 | ng/ul  | 98       |
| 77) Carbazole                 | 18.144 | 167  | 617013   | 19.982 | ng/ul  | 98       |
| 78) Di-n-butylphthalate       | 18.655 | 149  | 794395   | 18.724 | ng/ul  | 99       |
| 80) Fluoranthene              | 19.771 | 202  | 716392   | 19.351 | ng/ul# | 98       |
| 82) Pyrene                    | 20.135 | 202  | 727172   | 18.910 | ng/ul  | 100      |
| 83) Butylbenzylphthalate      | 21.005 | 149  | 345439   | 19.891 | ng/ul  | 98       |
| 84) 3,3'-Dichlorobenzidine    | 21.963 | 252  | 236945   | 20.854 | ng/ul  | 93       |
| 85) Benzo(a)anthracene        | 22.057 | 228  | 688380   | 19.145 | ng/ul  | 99       |
| 86) Bis(2-ethylhexyl)phtha... | 21.892 | 149  | 507864   | 19.599 | ng/ul  | 97       |
| 87) Chrysene                  | 22.127 | 228  | 618882   | 18.503 | ng/ul  | 95       |
| 89) Di-n-octyl phthalate      | 23.249 | 149  | 838937   | 20.397 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 24.507 | 252  | 625842   | 18.379 | ng/ul  | 98       |
| 91) Benzo(k)fluoranthene      | 24.589 | 252  | 647863   | 19.047 | ng/ul  | 96       |
| 93) Benzo(a)pyrene            | 25.511 | 252  | 587465   | 18.253 | ng/ul  | 96       |
| 94) Indeno(1,2,3-cd)pyrene    | 29.853 | 276  | 779951m  | 19.119 | ng/ul  |          |
| 95) Dibenzo(a,h)anthracene    | 29.965 | 278  | 625769   | 18.573 | ng/ul  | 99       |
| 96) Benzo(g,h,i)perylene      | 31.181 | 276  | 638876m  | 19.135 | ng/ul  |          |

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

