

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG091324\  
 Data File : BG062781.D  
 Acq On : 13 Sep 2024 10:22  
 Operator : JU/RC  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSTD020485

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 09/16/2024  
 Supervised By :mohammad ahmed 09/17/2024

Quant Time: Sep 13 23:04:10 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG090924.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Sep 10 01:28:17 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.900  | 152  | 58382    | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.691 | 136  | 243833   | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.528 | 164  | 187533   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.272 | 188  | 490661   | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.520 | 240  | 537451   | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 24.575 | 264  | 585485   | 20.000 | ng/u1  | -0.02    |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.359  | 96   | 10265    | 7.948  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.764  | 84   | 73094    | 17.779 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 7.066  | 99   | 95870    | 18.727 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.225  | 67   | 57370    | 18.692 | ng/u1  | -0.01    |
| 11) 2-Chlorophenol-d4         | 7.430  | 132  | 72143    | 19.347 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.600  | 113  | 76801    | 18.002 | ng/u1  | -0.01    |
| 21) Nitrobenzene-d5           | 9.052  | 128  | 35024    | 20.097 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.769  | 143  | 37508    | 19.680 | ng/u1  | -0.01    |
| 28) 2,4-Dichlorophenol-d3     | 10.309 | 165  | 84041    | 20.248 | ng/u1  | -0.01    |
| 31) 4-Chloroaniline-d4        | 10.821 | 131  | 105424   | 18.478 | ng/u1  | -0.01    |
| 46) Dimethylphthalate-d6      | 13.935 | 166  | 274620   | 19.016 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.217 | 160  | 310627   | 19.367 | ng/u1  | -0.01    |
| 54) 4-Nitrophenol-d4          | 14.722 | 143  | 46578    | 18.986 | ng/u1  | -0.01    |
| 60) Fluorene-d10              | 15.521 | 176  | 250318   | 19.235 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.638 | 200  | 46745    | 16.562 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.372 | 188  | 463666   | 20.023 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.663 | 212  | 609559   | 20.155 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.369 | 264  | 610107   | 19.735 | ng/u1  | -0.01    |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.394  | 88   | 12346    | 8.529  | ng/uL  | 97       |
| 5) Pyridine                   | 3.782  | 79   | 77950    | 18.077 | ng/u1  | 98       |
| 6) Benzaldehyde               | 7.037  | 77   | 64105m   | 22.775 | ng/u1  |          |
| 8) Phenol                     | 7.090  | 94   | 97677    | 18.354 | ng/u1  | 97       |
| 10) Bis(2-Chloroethyl)ether   | 7.319  | 93   | 75011    | 18.646 | ng/u1  | 96       |
| 12) 2-Chlorophenol            | 7.466  | 128  | 75867    | 19.898 | ng/u1  | 94       |
| 13) 2-Methylphenol            | 8.341  | 108  | 74145    | 18.580 | ng/u1  | 97       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.417  | 45   | 131753   | 18.195 | ng/u1  | 98       |
| 16) Acetophenone              | 8.717  | 105  | 125097   | 18.042 | ng/u1  | 99       |
| 17) N-Nitroso-di-n-propyla... | 8.699  | 70   | 65337    | 18.001 | ng/u1  | 94       |
| 18) 4-Methylphenol            | 8.664  | 108  | 80348    | 17.896 | ng/u1  | 90       |
| 19) Hexachloroethane          | 8.976  | 117  | 30290    | 19.734 | ng/u1  | 97       |
| 22) Nitrobenzene              | 9.093  | 77   | 93795    | 19.895 | ng/u1  | 96       |
| 23) Isophorone                | 9.616  | 82   | 182237   | 18.907 | ng/u1  | 96       |
| 25) 2-Nitrophenol             | 9.804  | 139  | 40928    | 19.484 | ng/u1  | 97       |
| 26) 2,4-Dimethylphenol        | 9.869  | 107  | 90454    | 20.152 | ng/u1  | 93       |
| 27) Bis(2-Chloroethoxy)met... | 10.098 | 93   | 102375   | 19.005 | ng/u1  | 95       |
| 29) 2,4-Dichlorophenol        | 10.339 | 162  | 82860    | 20.269 | ng/u1  | 96       |
| 30) Naphthalene               | 10.744 | 128  | 256479   | 19.618 | ng/u1  | 99       |
| 32) 4-Chloroaniline           | 10.844 | 127  | 105293   | 18.556 | ng/u1  | 100      |
| 33) Hexachlorobutadiene       | 11.026 | 225  | 70972    | 20.840 | ng/u1  | 88       |
| 34) Caprolactam               | 11.596 | 113  | 27112    | 17.994 | ng/u1  | 95       |
| 35) 4-Chloro-3-methylphenol   | 11.972 | 107  | 83397    | 18.701 | ng/u1  | 98       |
| 36) 2-Methylnaphthalene       | 12.348 | 142  | 189507   | 19.640 | ng/u1  | 94       |

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| 37) 1-Methylnaphthalene       | 12.571 | 142  | 190349   | 19.259 | ng/ul  | 99       |
| 39) 1,2,4,5-Tetrachloroben... | 12.718 | 216  | 128381   | 19.913 | ng/ul  | 98       |
| 40) Hexachlorocyclopentadiene | 12.701 | 237  | 62834    | 19.047 | ng/ul  | 93       |
| 41) 2,4,6-Trichlorophenol     | 12.959 | 196  | 77521    | 19.851 | ng/ul  | 97       |
| 42) 2,4,5-Trichlorophenol     | 13.030 | 196  | 81595    | 19.461 | ng/ul  | 96       |
| 43) 1,1'-Biphenyl             | 13.359 | 154  | 258345   | 19.590 | ng/ul  | 98       |
| 44) 2-Chloronaphthalene       | 13.400 | 162  | 210358   | 19.616 | ng/ul  | 98       |
| 45) 2-Nitroaniline            | 13.600 | 65   | 55574    | 18.886 | ng/ul  | 98       |
| 47) Dimethylphthalate         | 13.982 | 163  | 283620   | 19.070 | ng/ul  | 99       |
| 48) 2,6-Dinitrotoluene        | 14.099 | 165  | 50123    | 19.130 | ng/ul  | 99       |
| 50) Acenaphthylene            | 14.246 | 152  | 331622   | 19.584 | ng/ul  | 99       |
| 51) 3-Nitroaniline            | 14.428 | 138  | 52321    | 19.945 | ng/ul  | 94       |
| 52) Acenaphthene              | 14.593 | 153  | 232295   | 19.367 | ng/ul  | 96       |
| 53) 2,4-Dinitrophenol         | 14.634 | 184  | 25260    | 14.600 | ng/ul  | 92       |
| 55) 4-Nitrophenol             | 14.739 | 109  | 43550    | 19.749 | ng/ul  | 92       |
| 56) Dibenzofuran              | 14.927 | 168  | 343891   | 19.300 | ng/ul  | 99       |
| 57) 2,4-Dinitrotoluene        | 14.886 | 165  | 79668    | 19.447 | ng/ul# | 98       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.157 | 232  | 81620    | 19.209 | ng/ul# | 95       |
| 59) Diethylphthalate          | 15.345 | 149  | 280479   | 19.117 | ng/ul  | 99       |
| 61) Fluorene                  | 15.574 | 166  | 271689   | 19.410 | ng/ul  | 98       |
| 62) 4-Chlorophenyl-phenyle... | 15.568 | 204  | 158149   | 19.262 | ng/ul  | 95       |
| 63) 4-Nitroaniline            | 15.586 | 138  | 59226    | 20.981 | ng/ul  | 96       |
| 66) 4,6-Dinitro-2-methylph... | 15.650 | 198  | 49146    | 16.799 | ng/ul# | 88       |
| 67) N-Nitrosodiphenylamine    | 15.785 | 169  | 244734   | 19.449 | ng/ul  | 98       |
| 68) 4-Bromophenyl-phenylether | 16.461 | 248  | 111164   | 19.689 | ng/ul  | 92       |
| 69) Hexachlorobenzene         | 16.578 | 284  | 123608   | 19.174 | ng/ul  | 96       |
| 70) Atrazine                  | 16.731 | 200  | 114326   | 20.399 | ng/ul  | 96       |
| 71) Pentachlorophenol         | 16.925 | 266  | 63750    | 16.533 | ng/ul  | 95       |
| 72) Phenanthrene              | 17.313 | 178  | 505094   | 19.795 | ng/ul  | 99       |
| 74) Anthracene                | 17.407 | 178  | 519704   | 19.979 | ng/ul  | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 13.323 | 216  | 133622   | 19.942 | ng/ul  | 98       |
| 76) Pentachlorobenzene        | 14.851 | 250  | 140703   | 18.949 | ng/ul  | 98       |
| 77) Carbazole                 | 17.671 | 167  | 445926   | 20.672 | ng/ul  | 98       |
| 78) Di-n-butylphthalate       | 18.241 | 149  | 531403   | 20.830 | ng/ul  | 99       |
| 80) Fluoranthene              | 19.328 | 202  | 673664   | 20.112 | ng/ul  | 99       |
| 82) Pyrene                    | 19.692 | 202  | 722318   | 20.033 | ng/ul  | 100      |
| 83) Butylbenzylphthalate      | 20.586 | 149  | 227791   | 21.282 | ng/ul  | 95       |
| 84) 3,3'-Dichlorobenzidine    | 21.420 | 252  | 246469   | 21.782 | ng/ul  | 98       |
| 85) Benzo(a)anthracene        | 21.502 | 228  | 738447   | 19.755 | ng/ul  | 99       |
| 86) Bis(2-ethylhexyl)phtha... | 21.420 | 149  | 329129   | 20.883 | ng/ul  | 99       |
| 87) Chrysene                  | 21.561 | 228  | 690560   | 19.473 | ng/ul  | 100      |
| 89) Di-n-octyl phthalate      | 22.571 | 149  | 554920   | 20.376 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 23.611 | 252  | 710372   | 19.652 | ng/ul  | 100      |
| 91) Benzo(k)fluoranthene      | 23.676 | 252  | 724633   | 19.577 | ng/ul  | 96       |
| 93) Benzo(a)pyrene            | 24.434 | 252  | 671310   | 19.689 | ng/ul  | 99       |
| 94) Indeno(1,2,3-cd)pyrene    | 28.024 | 276  | 845333   | 20.123 | ng/ul  | 98       |
| 95) Dibenzo(a,h)anthracene    | 28.083 | 278  | 684504   | 20.286 | ng/ul  | 99       |
| 96) Benzo(g,h,i)perylene      | 29.105 | 276  | 642785   | 19.812 | ng/ul  | 100      |

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

