

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG071224\  
 Data File : BG062064.D  
 Acq On : 13 Jul 2024 7:38  
 Operator : MA/JU  
 Sample : PB161905BS  
 Misc :  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SLCS905

Manual Integrations  
 APPROVED

Reviewed By :Jagrut Upadhyay 07/15/2024  
 Supervised By :mohammad ahmed 07/16/2024

Quant Time: Jul 15 09:05:01 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG070224.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Jul 11 12:11:32 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.041  | 152  | 31200    | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.849 | 136  | 157069   | 20.000 | ng/u1  | # 0.00   |
| 38) Acenaphthene-d10          | 14.674 | 164  | 128428   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.418 | 188  | 337480   | 20.000 | ng/u1  | # 0.00   |
| 79) Chrysene-d12              | 21.678 | 240  | 313910   | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 24.880 | 264  | 383445   | 20.000 | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.440  | 96   | 7385m    | 8.895  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.857  | 84   | 75780    | 29.684 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 7.206  | 99   | 98487    | 28.844 | ng/u1  | 0.01     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.365  | 67   | 54272    | 25.100 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.577  | 132  | 69047    | 29.481 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.758  | 113  | 79016    | 29.392 | ng/u1  | 0.01     |
| 21) Nitrobenzene-d5           | 9.210  | 128  | 37519    | 31.408 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.933  | 143  | 45898    | 33.645 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.473 | 165  | 90476    | 34.385 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.984 | 131  | 103466   | 27.084 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 14.075 | 166  | 324859   | 30.768 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.369 | 160  | 345936   | 31.333 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.886 | 143  | 53606    | 31.792 | ng/u1  | 0.01     |
| 60) Fluorene-d10              | 15.661 | 176  | 293359   | 33.004 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.785 | 200  | 59403    | 33.516 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.518 | 188  | 467045   | 29.642 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.798 | 212  | 558308   | 30.238 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.662 | 264  | 607869   | 31.965 | ng/u1  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.475  | 88   | 11447m   | 12.491 | ng/uL  |          |
| 5) Pyridine                   | 3.875  | 79   | 81591    | 31.164 | ng/u1  | 95       |
| 6) Benzaldehyde               | 7.177  | 77   | 51948    | 28.747 | ng/u1  | 90       |
| 8) Phenol                     | 7.236  | 94   | 104276   | 29.829 | ng/u1# | 87       |
| 10) Bis(2-Chloroethyl)ether   | 7.459  | 93   | 69524    | 25.889 | ng/u1  | 97       |
| 12) 2-Chlorophenol            | 7.606  | 128  | 73058    | 30.618 | ng/u1  | 90       |
| 13) 2-Methylphenol            | 8.487  | 108  | 74238    | 29.754 | ng/u1  | 98       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.558  | 45   | 139053m  | 23.701 | ng/u1  |          |
| 16) Acetophenone              | 8.863  | 105  | 124709   | 28.083 | ng/u1  | 87       |
| 17) N-Nitroso-di-n-propyla... | 8.846  | 70   | 67761    | 27.256 | ng/u1  | 94       |
| 18) 4-Methylphenol            | 8.816  | 108  | 82817    | 29.639 | ng/u1  | 96       |
| 19) Hexachloroethane          | 9.122  | 117  | 31926    | 30.843 | ng/u1# | 80       |
| 22) Nitrobenzene              | 9.251  | 77   | 108413   | 31.972 | ng/u1  | 98       |
| 23) Isophorone                | 9.768  | 82   | 211167   | 27.565 | ng/u1# | 97       |
| 25) 2-Nitrophenol             | 9.962  | 139  | 44605    | 32.062 | ng/u1# | 90       |
| 26) 2,4-Dimethylphenol        | 10.021 | 107  | 82021    | 24.635 | ng/u1  | 93       |
| 27) Bis(2-Chloroethoxy)met... | 10.250 | 93   | 108496   | 25.718 | ng/u1  | 99       |
| 29) 2,4-Dichlorophenol        | 10.503 | 162  | 79679    | 32.237 | ng/u1  | 91       |
| 30) Naphthalene               | 10.902 | 128  | 254304   | 29.475 | ng/u1  | 96       |
| 32) 4-Chloroaniline           | 11.014 | 127  | 96498    | 25.744 | ng/u1  | 93       |
| 33) Hexachlorobutadiene       | 11.172 | 225  | 61288    | 32.951 | ng/u1  | 93       |
| 34) Caprolactam               | 11.778 | 113  | 32581m   | 33.645 | ng/u1  |          |
| 35) 4-Chloro-3-methylphenol   | 12.142 | 107  | 116895   | 35.511 | ng/u1  | 91       |
| 36) 2-Methylnaphthalene       | 12.506 | 142  | 191165   | 30.583 | ng/u1  | 93       |

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BNA\_G

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SLCS905

## Manual Integrations

## APPROVED

Reviewed By :Jagrut Upadhyay 07/15/2024  
 Supervised By :mohammad ahmed 07/16/2024

Quant Time: Jul 15 09:05:01 2024

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG070224.MA.M

Quant Title : SVOA CALIBRATION

QLast Update : Thu Jul 11 12:11:32 2024

Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 37) 1-Methylnaphthalene       | 12.723 | 142  | 204531   | 31.487 | ng/ul# | 100      |
| 39) 1,2,4,5-Tetrachloroben... | 12.864 | 216  | 116474   | 30.200 | ng/ul  | 96       |
| 40) Hexachlorocyclopentadiene | 12.835 | 237  | 40127    | 15.630 | ng/ul# | 89       |
| 41) 2,4,6-Trichlorophenol     | 13.111 | 196  | 71589    | 27.947 | ng/ul  | 93       |
| 42) 2,4,5-Trichlorophenol     | 13.188 | 196  | 86488    | 30.735 | ng/ul  | 86       |
| 43) 1,1'-Biphenyl             | 13.505 | 154  | 279681   | 28.264 | ng/ul  | 97       |
| 44) 2-Chloronaphthalene       | 13.552 | 162  | 213859   | 28.797 | ng/ul  | 95       |
| 45) 2-Nitroaniline            | 13.758 | 65   | 106334   | 35.755 | ng/ul  | 98       |
| 47) Dimethylphthalate         | 14.122 | 163  | 305298   | 30.062 | ng/ul  | 98       |
| 48) 2,6-Dinitrotoluene        | 14.251 | 165  | 68590    | 35.601 | ng/ul  | 98       |
| 50) Acenaphthylene            | 14.398 | 152  | 358054   | 29.549 | ng/ul  | 99       |
| 51) 3-Nitroaniline            | 14.580 | 138  | 66133    | 35.264 | ng/ul  | 95       |
| 52) Acenaphthene              | 14.739 | 153  | 249875   | 29.864 | ng/ul  | 94       |
| 53) 2,4-Dinitrophenol         | 14.792 | 184  | 28376    | 28.191 | ng/ul# | 84       |
| 55) 4-Nitrophenol             | 14.903 | 109  | 79243    | 41.177 | ng/ul# | 79       |
| 56) Dibenzofuran              | 15.068 | 168  | 365003   | 30.866 | ng/ul  | 93       |
| 57) 2,4-Dinitrotoluene        | 15.038 | 165  | 108682   | 38.466 | ng/ul# | 90       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.297 | 232  | 72091    | 28.371 | ng/ul# | 99       |
| 59) Diethylphthalate          | 15.479 | 149  | 331908   | 30.328 | ng/ul  | 96       |
| 61) Fluorene                  | 15.720 | 166  | 314300   | 31.252 | ng/ul  | 98       |
| 62) 4-Chlorophenyl-phenyle... | 15.708 | 204  | 158023   | 31.282 | ng/ul  | 96       |
| 63) 4-Nitroaniline            | 15.743 | 138  | 72082    | 37.879 | ng/ul  | 89       |
| 66) 4,6-Dinitro-2-methylph... | 15.796 | 198  | 61384    | 32.181 | ng/ul# | 83       |
| 67) N-Nitrosodiphenylamine    | 15.926 | 169  | 275259   | 29.866 | ng/ul  | 98       |
| 68) 4-Bromophenyl-phenylether | 16.601 | 248  | 118490   | 30.948 | ng/ul  | 97       |
| 69) Hexachlorobenzene         | 16.713 | 284  | 141611   | 32.166 | ng/ul  | 93       |
| 70) Atrazine                  | 16.866 | 200  | 23223    | 6.383  | ng/ul  | 96       |
| 71) Pentachlorophenol         | 17.065 | 266  | 40185    | 16.606 | ng/ul  | 88       |
| 72) Phenanthrene              | 17.459 | 178  | 524528   | 29.477 | ng/ul  | 99       |
| 74) Anthracene                | 17.553 | 178  | 530450   | 28.845 | ng/ul  | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 13.470 | 216  | 118213   | 28.203 | ng/ul  | 95       |
| 76) Pentachlorobenzene        | 14.986 | 250  | 145234   | 30.380 | ng/ul  | 96       |
| 77) Carbazole                 | 17.823 | 167  | 475755   | 30.741 | ng/ul  | 99       |
| 78) Di-n-butylphthalate       | 18.364 | 149  | 591672   | 29.777 | ng/ul  | 99       |
| 80) Fluoranthene              | 19.463 | 202  | 636100   | 29.111 | ng/ul# | 94       |
| 82) Pyrene                    | 19.827 | 202  | 661217   | 29.294 | ng/ul# | 93       |
| 83) Butylbenzylphthalate      | 20.702 | 149  | 270975   | 28.606 | ng/ul  | 92       |
| 84) 3,3'-Dichlorobenzidine    | 21.572 | 252  | 235882   | 31.586 | ng/ul  | 97       |
| 85) Benzo(a)anthracene        | 21.654 | 228  | 699298   | 30.768 | ng/ul  | 99       |
| 86) Bis(2-ethylhexyl)phtha... | 21.548 | 149  | 402624   | 29.620 | ng/ul# | 99       |
| 87) Chrysene                  | 21.725 | 228  | 654665   | 30.769 | ng/ul  | 99       |
| 89) Di-n-octyl phthalate      | 22.753 | 149  | 707489   | 30.201 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 23.863 | 252  | 729108m  | 30.180 | ng/ul  |          |
| 91) Benzo(k)fluoranthene      | 23.928 | 252  | 739072   | 30.679 | ng/ul  | 94       |
| 93) Benzo(a)pyrene            | 24.733 | 252  | 644166   | 28.159 | ng/ul# | 95       |
| 94) Indeno(1,2,3-cd)pyrene    | 28.540 | 276  | 929164m  | 31.784 | ng/ul  |          |
| 95) Dibenzo(a,h)anthracene    | 28.611 | 278  | 745672   | 30.884 | ng/ul  | 96       |
| 96) Benzo(g,h,i)perylene      | 29.692 | 276  | 714435m  | 30.719 | ng/ul  |          |

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

