

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG082124\  
 Data File : BG062522.D  
 Acq On : 22 Aug 2024 00:10  
 Operator : MA/JU  
 Sample : PB162866BS  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SLCS866

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 08/22/2024  
 Supervised By :mohammad ahmed 08/22/2024

Quant Time: Aug 22 00:59:12 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG081424.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Aug 20 23:01:24 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.940  | 152  | 80161    | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.731 | 136  | 372618   | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.561 | 164  | 283017   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.298 | 188  | 591870   | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.539 | 240  | 563509   | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 24.618 | 264  | 653632   | 20.000 | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.405  | 96   | 10989    | 5.205  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.811  | 84   | 149772   | 23.279 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 7.100  | 99   | 210645   | 26.415 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.265  | 67   | 122561   | 24.399 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.470  | 132  | 151858   | 27.877 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.645  | 113  | 174794   | 26.149 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 9.092  | 128  | 77326    | 32.359 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.814  | 143  | 89423    | 37.619 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.355 | 165  | 176622   | 29.172 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.860 | 131  | 204001   | 21.246 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.967 | 166  | 525795   | 23.884 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.249 | 160  | 606152   | 24.868 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.755 | 143  | 92176    | 26.247 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.548 | 176  | 492881   | 24.823 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.665 | 200  | 94134    | 35.004 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.398 | 188  | 728851   | 25.634 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.683 | 212  | 883529   | 26.772 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.406 | 264  | 900175   | 25.951 | ng/u1  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.440  | 88   | 20029    | 8.887  | ng/uL# | 92       |
| 5) Pyridine                   | 3.828  | 79   | 160912   | 23.770 | ng/u1  | 93       |
| 6) Benzaldehyde               | 7.077  | 77   | 92661    | 22.414 | ng/u1  | 100      |
| 8) Phenol                     | 7.130  | 94   | 222646   | 26.607 | ng/u1  | 100      |
| 10) Bis(2-Chloroethyl)ether   | 7.359  | 93   | 152354   | 24.606 | ng/u1  | 97       |
| 12) 2-Chlorophenol            | 7.505  | 128  | 158001   | 28.041 | ng/u1  | 99       |
| 13) 2-Methylphenol            | 8.375  | 108  | 165961   | 26.357 | ng/u1  | 100      |
| 14) 2,2'-oxybis(1-Chloropr... | 8.463  | 45   | 323481   | 25.311 | ng/u1  | 99       |
| 16) Acetophenone              | 8.757  | 105  | 263103   | 24.028 | ng/u1  | 100      |
| 17) N-Nitroso-di-n-propyla... | 8.745  | 70   | 138578   | 23.983 | ng/u1  | 95       |
| 18) 4-Methylphenol            | 8.704  | 108  | 186736   | 25.891 | ng/u1  | 98       |
| 19) Hexachloroethane          | 9.021  | 117  | 59510    | 26.543 | ng/u1  | 93       |
| 22) Nitrobenzene              | 9.133  | 77   | 200607   | 29.720 | ng/u1  | 100      |
| 23) Isophorone                | 9.661  | 82   | 392106   | 24.598 | ng/u1  | 99       |
| 25) 2-Nitrophenol             | 9.844  | 139  | 94649    | 35.640 | ng/u1  | 98       |
| 26) 2,4-Dimethylphenol        | 9.902  | 107  | 159802   | 22.065 | ng/u1  | 95       |
| 27) Bis(2-Chloroethoxy)met... | 10.137 | 93   | 226049   | 25.494 | ng/u1  | 99       |
| 29) 2,4-Dichlorophenol        | 10.378 | 162  | 176071   | 28.319 | ng/u1  | 100      |
| 30) Naphthalene               | 10.783 | 128  | 547657   | 25.342 | ng/u1  | 99       |
| 32) 4-Chloroaniline           | 10.883 | 127  | 181608   | 19.455 | ng/u1  | 99       |
| 33) Hexachlorobutadiene       | 11.071 | 225  | 118854   | 25.148 | ng/u1  | 97       |
| 34) Caprolactam               | 11.647 | 113  | 55347m   | 22.071 | ng/u1  |          |
| 35) 4-Chloro-3-methylphenol   | 12.011 | 107  | 195478   | 26.869 | ng/u1  | 99       |
| 36) 2-Methylnaphthalene       | 12.387 | 142  | 383262   | 25.113 | ng/u1  | 99       |

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| 37) 1-Methylnaphthalene       | 12.604 | 142  | 386277   | 24.807 | ng/ul  | 100      |
| 39) 1,2,4,5-Tetrachloroben... | 12.757 | 216  | 240875   | 25.487 | ng/ul  | 98       |
| 40) Hexachlorocyclopentadiene | 12.740 | 237  | 71661    | 14.793 | ng/ul  | 97       |
| 41) 2,4,6-Trichlorophenol     | 12.992 | 196  | 135999   | 25.015 | ng/ul  | 94       |
| 42) 2,4,5-Trichlorophenol     | 13.063 | 196  | 153644   | 26.918 | ng/ul  | 98       |
| 43) 1,1'-Biphenyl             | 13.392 | 154  | 544512   | 25.395 | ng/ul  | 99       |
| 44) 2-Chloronaphthalene       | 13.439 | 162  | 425198   | 25.627 | ng/ul  | 99       |
| 45) 2-Nitroaniline            | 13.633 | 65   | 139931   | 32.562 | ng/ul  | 99       |
| 47) Dimethylphthalate         | 14.014 | 163  | 533696   | 23.912 | ng/ul  | 100      |
| 48) 2,6-Dinitrotoluene        | 14.132 | 165  | 106499   | 33.410 | ng/ul# | 94       |
| 50) Acenaphthylene            | 14.285 | 152  | 675843   | 25.897 | ng/ul  | 99       |
| 51) 3-Nitroaniline            | 14.455 | 138  | 105841   | 29.142 | ng/ul  | 95       |
| 52) Acenaphthene              | 14.625 | 153  | 477125   | 24.429 | ng/ul  | 98       |
| 53) 2,4-Dinitrophenol         | 14.661 | 184  | 63084    | 31.375 | ng/ul  | 93       |
| 55) 4-Nitrophenol             | 14.766 | 109  | 77017    | 25.549 | ng/ul  | 95       |
| 56) Dibenzofuran              | 14.960 | 168  | 666649   | 24.264 | ng/ul  | 99       |
| 57) 2,4-Dinitrotoluene        | 14.913 | 165  | 156669   | 32.287 | ng/ul  | 98       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.183 | 232  | 119207   | 21.722 | ng/ul# | 98       |
| 59) Diethylphthalate          | 15.383 | 149  | 531515   | 23.863 | ng/ul  | 98       |
| 61) Fluorene                  | 15.606 | 166  | 519789   | 24.003 | ng/ul  | 99       |
| 62) 4-Chlorophenyl-phenyle... | 15.600 | 204  | 269431   | 24.211 | ng/ul  | 97       |
| 63) 4-Nitroaniline            | 15.618 | 138  | 107666   | 28.361 | ng/ul  | 94       |
| 66) 4,6-Dinitro-2-methylph... | 15.683 | 198  | 98402    | 32.475 | ng/ul# | 96       |
| 67) N-Nitrosodiphenylamine    | 15.812 | 169  | 463053   | 26.988 | ng/ul  | 99       |
| 68) 4-Bromophenyl-phenylether | 16.493 | 248  | 183945   | 27.693 | ng/ul  | 94       |
| 69) Hexachlorobenzene         | 16.611 | 284  | 207636   | 26.831 | ng/ul  | 98       |
| 70) Atrazine                  | 16.752 | 200  | 9435     | 1.319  | ng/ul  | 95       |
| 71) Pentachlorophenol         | 16.952 | 266  | 96694    | 21.411 | ng/ul  | 97       |
| 72) Phenanthrene              | 17.339 | 178  | 850326   | 25.568 | ng/ul  | 99       |
| 74) Anthracene                | 17.433 | 178  | 855827   | 25.121 | ng/ul  | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 13.356 | 216  | 241579   | 28.552 | ng/ul  | 99       |
| 76) Pentachlorobenzene        | 14.878 | 250  | 236529   | 26.650 | ng/ul  | 98       |
| 77) Carbazole                 | 17.698 | 167  | 717184   | 25.061 | ng/ul  | 98       |
| 78) Di-n-butylphthalate       | 18.267 | 149  | 883857   | 25.817 | ng/ul  | 99       |
| 80) Fluoranthene              | 19.348 | 202  | 1009560  | 27.383 | ng/ul  | 100      |
| 82) Pyrene                    | 19.712 | 202  | 1047883  | 26.370 | ng/ul  | 99       |
| 83) Butylbenzylphthalate      | 20.600 | 149  | 386013   | 28.839 | ng/ul  | 95       |
| 84) 3,3'-Dichlorobenzidine    | 21.440 | 252  | 345886   | 28.123 | ng/ul  | 100      |
| 85) Benzo(a)anthracene        | 21.522 | 228  | 1086034  | 26.553 | ng/ul  | 99       |
| 86) Bis(2-ethylhexyl)phtha... | 21.440 | 149  | 560880   | 28.680 | ng/ul  | 100      |
| 87) Chrysene                  | 21.586 | 228  | 1020546  | 26.319 | ng/ul  | 97       |
| 89) Di-n-octyl phthalate      | 22.609 | 149  | 982048   | 28.172 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 23.642 | 252  | 1034035  | 26.188 | ng/ul  | 99       |
| 91) Benzo(k)fluoranthene      | 23.707 | 252  | 1069012  | 26.822 | ng/ul  | 99       |
| 93) Benzo(a)pyrene            | 24.471 | 252  | 945042   | 25.387 | ng/ul  | 98       |
| 94) Indeno(1,2,3-cd)pyrene    | 28.095 | 276  | 1216004  | 25.701 | ng/ul  | 99       |
| 95) Dibenzo(a,h)anthracene    | 28.154 | 278  | 996223   | 25.977 | ng/ul  | 97       |
| 96) Benzo(g,h,i)perylene      | 29.164 | 276  | 949773m  | 26.102 | ng/ul  |          |

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

