

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG091323\  
 Data File : BG059045.D  
 Acq On : 13 Sep 2023 18:02  
 Operator : MA/JU  
 Sample : PB155407BS  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SLCS407

Quant Time: Sep 14 01:31:39 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG091023.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Sep 12 23:54:19 2023  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/14/2023  
 Supervised By :mohammad ahmed 09/14/2023

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.306  | 152  | 91228    | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 11.144 | 136  | 443327   | 20.000 | ng/u1  | -0.01    |
| 38) Acenaphthene-d10          | 14.934 | 164  | 368605   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.683 | 188  | 1007530  | 20.000 | ng/u1  | # 0.00   |
| 79) Chrysene-d12              | 22.008 | 240  | 873591   | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 25.568 | 264  | 1030856  | 20.000 | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.617  | 96   | 12951    | 6.034  | ng/uL  | -0.01    |
| 4) Pyridine-d5                | 4.046  | 84   | 160578   | 23.631 | ng/u1  | -0.01    |
| 7) Phenol-d5                  | 7.413  | 99   | 295153   | 32.084 | ng/u1  | -0.01    |
| 9) Bis-(2-Chloroethyl)eth...  | 7.624  | 67   | 156643   | 29.038 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.818  | 132  | 182236   | 30.886 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.988  | 113  | 237883   | 33.470 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 9.499  | 128  | 99780    | 31.029 | ng/u1  | -0.01    |
| 24) 2-Nitrophenol-d4          | 10.221 | 143  | 123682   | 35.052 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.744 | 165  | 241342   | 32.183 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 11.285 | 131  | 184374   | 18.283 | ng/u1  | -0.01    |
| 46) Dimethylphthalate-d6      | 14.328 | 166  | 920590   | 32.197 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.640 | 160  | 932066   | 29.274 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 15.110 | 143  | 167623   | 35.294 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.921 | 176  | 802193   | 31.614 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 16.032 | 200  | 190406   | 38.500 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.783 | 188  | 1389586  | 31.068 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 20.057 | 212  | 1589004  | 34.337 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 25.321 | 264  | 1536803  | 30.412 | ng/u1  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.647  | 88   | 26473    | 9.573  | ng/uL# | 85       |
| 5) Pyridine                   | 4.064  | 79   | 171219   | 23.598 | ng/u1  | 94       |
| 6) Benzaldehyde               | 7.448  | 77   | 127293   | 22.626 | ng/u1  | 91       |
| 8) Phenol                     | 7.442  | 94   | 328593   | 33.589 | ng/u1  | 97       |
| 10) Bis(2-Chloroethyl)ether   | 7.718  | 93   | 219008   | 30.630 | ng/u1  | 94       |
| 12) 2-Chlorophenol            | 7.854  | 128  | 197822   | 32.437 | ng/u1  | 97       |
| 13) 2-Methylphenol            | 8.723  | 108  | 249383   | 33.855 | ng/u1  | 98       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.817  | 45   | 263680   | 30.711 | ng/u1  | 98       |
| 16) Acetophenone              | 9.146  | 105  | 407506   | 34.583 | ng/u1  | 98       |
| 17) N-Nitroso-di-n-propyla... | 9.111  | 70   | 221346   | 33.510 | ng/u1  | 92       |
| 18) 4-Methylphenol            | 9.052  | 108  | 272750   | 33.904 | ng/u1  | 95       |
| 19) Hexachloroethane          | 9.393  | 117  | 82070    | 32.109 | ng/u1  | 84       |
| 22) Nitrobenzene              | 9.546  | 77   | 307061   | 31.896 | ng/u1  | 96       |
| 23) Isophorone                | 10.051 | 82   | 694117   | 33.943 | ng/u1  | 99       |
| 25) 2-Nitrophenol             | 10.251 | 139  | 125724   | 34.944 | ng/u1# | 86       |
| 26) 2,4-Dimethylphenol        | 10.274 | 107  | 323713   | 36.305 | ng/u1  | 89       |
| 27) Bis(2-Chloroethoxy)met... | 10.533 | 93   | 360380   | 32.881 | ng/u1  | 98       |
| 29) 2,4-Dichlorophenol        | 10.774 | 162  | 251824   | 35.448 | ng/u1  | 96       |
| 30) Naphthalene               | 11.203 | 128  | 739194   | 31.632 | ng/u1  | 98       |
| 32) 4-Chloroaniline           | 11.314 | 127  | 253018   | 26.133 | ng/u1  | 99       |
| 33) Hexachlorobutadiene       | 11.426 | 225  | 178086   | 32.039 | ng/u1  | 95       |
| 34) Caprolactam               | 12.096 | 113  | 109879m  | 43.582 | ng/u1  |          |
| 35) 4-Chloro-3-methylphenol   | 12.384 | 107  | 329120   | 37.707 | ng/u1  | 91       |
| 36) 2-Methylnaphthalene       | 12.783 | 142  | 563528   | 32.317 | ng/u1  | 95       |

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|-------------------------------|--------|------|----------|--------|--------|----------|
| 37) 1-Methylnaphthalene       | 12.995 | 142  | 561879   | 32.668 | ng/ul  | 91       |
| 39) 1,2,4,5-Tetrachloroben... | 13.124 | 216  | 349438   | 29.042 | ng/ul  | 96       |
| 40) Hexachlorocyclopentadiene | 13.077 | 237  | 252862   | 28.561 | ng/ul# | 84       |
| 41) 2,4,6-Trichlorophenol     | 13.365 | 196  | 237600   | 31.105 | ng/ul  | 98       |
| 42) 2,4,5-Trichlorophenol     | 13.429 | 196  | 267977   | 32.405 | ng/ul  | 94       |
| 43) 1,1'-Biphenyl             | 13.770 | 154  | 837999   | 30.413 | ng/ul  | 99       |
| 44) 2-Chloronaphthalene       | 13.823 | 162  | 634015   | 30.128 | ng/ul  | 97       |
| 45) 2-Nitroaniline            | 14.040 | 65   | 236983   | 36.718 | ng/ul  | 88       |
| 47) Dimethylphthalate         | 14.375 | 163  | 936431   | 34.638 | ng/ul  | 99       |
| 48) 2,6-Dinitrotoluene        | 14.522 | 165  | 196444   | 38.200 | ng/ul  | 98       |
| 50) Acenaphthylene            | 14.663 | 152  | 1063858  | 30.648 | ng/ul  | 97       |
| 51) 3-Nitroaniline            | 14.857 | 138  | 192673   | 39.042 | ng/ul  | 83       |
| 52) Acenaphthene              | 14.998 | 153  | 742263   | 31.865 | ng/ul  | 97       |
| 53) 2,4-Dinitrophenol         | 15.051 | 184  | 134542   | 40.590 | ng/ul  | 91       |
| 55) 4-Nitrophenol             | 15.122 | 109  | 205979   | 36.758 | ng/ul  | 90       |
| 56) Dibenzofuran              | 15.333 | 168  | 1112545  | 32.974 | ng/ul  | 100      |
| 57) 2,4-Dinitrotoluene        | 15.298 | 165  | 293516   | 41.364 | ng/ul  | 88       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.533 | 232  | 274392   | 34.737 | ng/ul# | 93       |
| 59) Diethylphthalate          | 15.721 | 149  | 986375   | 37.008 | ng/ul  | 95       |
| 61) Fluorene                  | 15.979 | 166  | 935911   | 33.750 | ng/ul  | 92       |
| 62) 4-Chlorophenyl-phenyle... | 15.962 | 204  | 486101   | 33.128 | ng/ul  | 97       |
| 63) 4-Nitroaniline            | 16.021 | 138  | 190346   | 40.697 | ng/ul  | 96       |
| 66) 4,6-Dinitro-2-methylph... | 16.044 | 198  | 211398   | 39.164 | ng/ul  | 93       |
| 67) N-Nitrosodiphenylamine    | 16.179 | 169  | 830673   | 31.279 | ng/ul  | 95       |
| 68) 4-Bromophenyl-phenylether | 16.861 | 248  | 356486   | 32.253 | ng/ul  | 95       |
| 69) Hexachlorobenzene         | 16.949 | 284  | 392576   | 30.939 | ng/ul  | 97       |
| 70) Atrazine                  | 17.113 | 200  | 108287   | 10.419 | ng/ul  | 90       |
| 71) Pentachlorophenol         | 17.301 | 266  | 237543   | 30.371 | ng/ul  | 96       |
| 72) Phenanthrene              | 17.730 | 178  | 1666198  | 32.585 | ng/ul  | 100      |
| 74) Anthracene                | 17.818 | 178  | 1708666  | 32.877 | ng/ul  | 96       |
| 75) 1,2,3,4-Tetrachloroben... | 13.729 | 216  | 34285    | 2.358  | ng/uL# | 90       |
| 76) Pentachlorobenzene        | 15.227 | 250  | 430827   | 30.664 | ng/uL  | 94       |
| 77) Carbazole                 | 18.095 | 167  | 1510296  | 34.703 | ng/ul  | 98       |
| 78) Di-n-butylphthalate       | 18.600 | 149  | 1712015  | 35.485 | ng/ul  | 99       |
| 80) Fluoranthene              | 19.722 | 202  | 2025511  | 37.691 | ng/ul  | 97       |
| 82) Pyrene                    | 20.086 | 202  | 2012273  | 36.019 | ng/ul# | 97       |
| 83) Butylbenzylphthalate      | 20.944 | 149  | 693499   | 39.282 | ng/ul  | 96       |
| 84) 3,3'-Dichlorobenzidine    | 21.896 | 252  | 608644   | 31.403 | ng/ul# | 92       |
| 85) Benzo(a)anthracene        | 21.990 | 228  | 1921223  | 32.793 | ng/ul  | 98       |
| 86) Bis(2-ethylhexyl)phtha... | 21.825 | 149  | 1009207  | 38.170 | ng/ul  | 98       |
| 87) Chrysene                  | 22.061 | 228  | 1810335  | 33.240 | ng/ul  | 96       |
| 89) Di-n-octyl phthalate      | 23.153 | 149  | 1709249  | 36.044 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 24.417 | 252  | 1980720  | 32.255 | ng/ul  | 96       |
| 91) Benzo(k)fluoranthene      | 24.493 | 252  | 1978150  | 31.522 | ng/ul  | 94       |
| 93) Benzo(a)pyrene            | 25.398 | 252  | 1756643  | 30.660 | ng/ul  | 99       |
| 94) Indeno(1,2,3-cd)pyrene    | 29.693 | 276  | 2253558m | 31.129 | ng/ul  |          |
| 95) Dibenzo(a,h)anthracene    | 29.775 | 278  | 1834039  | 30.574 | ng/ul# | 95       |
| 96) Benzo(g,h,i)perylene      | 31.009 | 276  | 1832259  | 31.976 | ng/ul  | 96       |

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

