

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG071323\  
 Data File : BG058263.D  
 Acq On : 15 Jul 2023 16:01  
 Operator : CG/JU  
 Sample : PB153869BS  
 Misc :  
 ALS Vial : 74 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SLCS869

Quant Time: Jul 15 23:46:39 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG070123.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Jul 13 14:01:20 2023  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Yogesh Patel 07/17/2023  
 Supervised By :mohammad ahmed 07/17/2023

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.903  | 152  | 54620    | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.705 | 136  | 257217   | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.542 | 164  | 184547   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.286 | 188  | 436712   | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.540 | 240  | 381407   | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 24.683 | 264  | 486177   | 20.000 | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.349  | 96   | 9269m    | 5.942  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.755  | 84   | 137146   | 28.961 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 7.068  | 99   | 179989   | 32.267 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.227  | 67   | 103560   | 30.808 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.438  | 132  | 124200   | 32.283 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.614  | 113  | 135985   | 32.309 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 9.066  | 128  | 65191    | 31.096 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.783  | 143  | 76165    | 34.568 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.329 | 165  | 139310   | 32.959 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.840 | 131  | 180211   | 28.121 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.943 | 166  | 415262   | 28.519 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.236 | 160  | 489136   | 30.784 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.748 | 143  | 70333    | 27.340 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.535 | 176  | 376830   | 30.473 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.652 | 200  | 71576    | 30.184 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.386 | 188  | 601712   | 29.693 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.671 | 212  | 732187   | 30.481 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.466 | 264  | 782466   | 31.590 | ng/u1  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.379  | 88   | 19043    | 9.882  | ng/uL# | 88       |
| 5) Pyridine                   | 3.772  | 79   | 133656   | 27.547 | ng/u1  | 96       |
| 6) Benzaldehyde               | 7.039  | 77   | 89037    | 47.796 | ng/u1  | 98       |
| 8) Phenol                     | 7.098  | 94   | 176712   | 31.219 | ng/u1  | 98       |
| 10) Bis(2-Chloroethyl)ether   | 7.321  | 93   | 126151   | 28.863 | ng/u1  | 99       |
| 12) 2-Chlorophenol            | 7.468  | 128  | 121499   | 30.349 | ng/u1  | 97       |
| 13) 2-Methylphenol            | 8.343  | 108  | 135036   | 30.376 | ng/u1  | 93       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.420  | 45   | 205507   | 30.546 | ng/u1  | 96       |
| 16) Acetophenone              | 8.725  | 105  | 203342   | 29.119 | ng/u1  | 99       |
| 17) N-Nitroso-di-n-propyla... | 8.708  | 70   | 105607   | 28.290 | ng/u1  | 97       |
| 18) 4-Methylphenol            | 8.678  | 108  | 148726   | 30.940 | ng/u1  | 93       |
| 19) Hexachloroethane          | 8.984  | 117  | 46849    | 30.525 | ng/u1  | 99       |
| 22) Nitrobenzene              | 9.107  | 77   | 160304   | 29.455 | ng/u1  | 98       |
| 23) Isophorone                | 9.624  | 82   | 323075   | 27.821 | ng/u1  | 98       |
| 25) 2-Nitrophenol             | 9.818  | 139  | 73056    | 30.900 | ng/u1  | 95       |
| 26) 2,4-Dimethylphenol        | 9.877  | 107  | 144743   | 27.226 | ng/u1  | 98       |
| 27) Bis(2-Chloroethoxy)met... | 10.112 | 93   | 184034   | 28.123 | ng/u1  | 98       |
| 29) 2,4-Dichlorophenol        | 10.353 | 162  | 128970   | 31.383 | ng/u1  | 95       |
| 30) Naphthalene               | 10.752 | 128  | 424311   | 29.354 | ng/u1  | 99       |
| 32) 4-Chloroaniline           | 10.864 | 127  | 151076   | 23.056 | ng/u1  | 99       |
| 33) Hexachlorobutadiene       | 11.034 | 225  | 88624    | 30.461 | ng/u1  | 96       |
| 34) Caprolactam               | 11.628 | 113  | 45055m   | 27.269 | ng/u1  |          |
| 35) 4-Chloro-3-methylphenol   | 11.992 | 107  | 158787   | 31.454 | ng/u1  | 98       |
| 36) 2-Methylnaphthalene       | 12.362 | 142  | 290453   | 29.808 | ng/u1  | 97       |

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| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 37) 1-Methylnaphthalene       | 12.585 | 142  | 290015   | 29.680 | ng/ul  | 100      |
| 39) 1,2,4,5-Tetrachloroben... | 12.732 | 216  | 171299   | 30.459 | ng/ul  | 98       |
| 40) Hexachlorocyclopentadiene | 12.709 | 237  | 65336    | 18.444 | ng/ul  | 96       |
| 41) 2,4,6-Trichlorophenol     | 12.973 | 196  | 114876   | 30.138 | ng/ul  | 98       |
| 42) 2,4,5-Trichlorophenol     | 13.050 | 196  | 122302   | 29.668 | ng/ul  | 99       |
| 43) 1,1'-Biphenyl             | 13.373 | 154  | 381056   | 28.652 | ng/ul  | 99       |
| 44) 2-Chloronaphthalene       | 13.414 | 162  | 311623   | 29.196 | ng/ul  | 99       |
| 45) 2-Nitroaniline            | 13.625 | 65   | 112601   | 30.342 | ng/ul  | 95       |
| 47) Dimethylphthalate         | 13.990 | 163  | 401401   | 27.439 | ng/ul  | 100      |
| 48) 2,6-Dinitrotoluene        | 14.113 | 165  | 90421    | 30.112 | ng/ul  | 96       |
| 50) Acenaphthylene            | 14.266 | 152  | 494970   | 28.847 | ng/ul  | 98       |
| 51) 3-Nitroaniline            | 14.448 | 138  | 88695    | 34.952 | ng/ul  | 98       |
| 52) Acenaphthene              | 14.607 | 153  | 345089   | 29.309 | ng/ul  | 97       |
| 53) 2,4-Dinitrophenol         | 14.659 | 184  | 38477    | 24.578 | ng/ul  | 93       |
| 55) 4-Nitrophenol             | 14.759 | 109  | 49791    | 26.126 | ng/ul  | 86       |
| 56) Dibenzofuran              | 14.941 | 168  | 476291   | 28.457 | ng/ul  | 98       |
| 57) 2,4-Dinitrotoluene        | 14.906 | 165  | 128855   | 30.287 | ng/ul  | 99       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.165 | 232  | 106012   | 28.249 | ng/ul  | 98       |
| 59) Diethylphthalate          | 15.353 | 149  | 412966   | 27.047 | ng/ul  | 99       |
| 61) Fluorene                  | 15.588 | 166  | 390839   | 28.460 | ng/ul  | 99       |
| 62) 4-Chlorophenyl-phenyle... | 15.576 | 204  | 208110   | 28.640 | ng/ul  | 99       |
| 63) 4-Nitroaniline            | 15.611 | 138  | 91065m   | 40.059 | ng/ul  |          |
| 66) 4,6-Dinitro-2-methylph... | 15.670 | 198  | 71104    | 29.321 | ng/ul# | 99       |
| 67) N-Nitrosodiphenylamine    | 15.793 | 169  | 337512   | 29.040 | ng/ul  | 99       |
| 68) 4-Bromophenyl-phenylether | 16.469 | 248  | 144340   | 30.110 | ng/ul  | 98       |
| 69) Hexachlorobenzene         | 16.592 | 284  | 164158   | 30.586 | ng/ul  | 99       |
| 70) Atrazine                  | 16.739 | 200  | 91718    | 19.298 | ng/ul  | 98       |
| 71) Pentachlorophenol         | 16.933 | 266  | 76660    | 23.792 | ng/ul  | 97       |
| 72) Phenanthrene              | 17.327 | 178  | 640828   | 28.848 | ng/ul  | 100      |
| 74) Anthracene                | 17.421 | 178  | 642596   | 28.586 | ng/ul  | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 13.337 | 216  | 180200   | 31.113 | ng/uL  | 97       |
| 76) Pentachlorobenzene        | 14.859 | 250  | 422760   | 68.345 | ng/uL  | 97       |
| 77) Carbazole                 | 17.691 | 167  | 603195   | 29.669 | ng/ul  | 98       |
| 78) Di-n-butylphthalate       | 18.243 | 149  | 751474   | 29.017 | ng/ul  | 100      |
| 80) Fluoranthene              | 19.336 | 202  | 786697   | 28.263 | ng/ul  | 99       |
| 82) Pyrene                    | 19.701 | 202  | 791043   | 28.233 | ng/ul  | 98       |
| 83) Butylbenzylphthalate      | 20.582 | 149  | 337739   | 29.727 | ng/ul  | 96       |
| 84) 3,3'-Dichlorobenzidine    | 21.440 | 252  | 317893   | 34.428 | ng/ul  | 98       |
| 85) Benzo(a)anthracene        | 21.522 | 228  | 809273   | 29.551 | ng/ul  | 99       |
| 86) Bis(2-ethylhexyl)phtha... | 21.416 | 149  | 491270   | 30.174 | ng/ul  | 99       |
| 87) Chrysene                  | 21.587 | 228  | 775896   | 30.223 | ng/ul  | 98       |
| 89) Di-n-octyl phthalate      | 22.597 | 149  | 874605   | 29.279 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 23.678 | 252  | 864651   | 28.723 | ng/ul  | 99       |
| 91) Benzo(k)fluoranthene      | 23.749 | 252  | 845793   | 28.665 | ng/ul  | 99       |
| 93) Benzo(a)pyrene            | 24.536 | 252  | 764983   | 28.711 | ng/ul  | 99       |
| 94) Indeno(1,2,3-cd)pyrene    | 28.261 | 276  | 1014104  | 28.662 | ng/ul  | 99       |
| 95) Dibenzo(a,h)anthracene    | 28.314 | 278  | 849761   | 29.126 | ng/ul  | 98       |
| 96) Benzo(g,h,i)perylene      | 29.383 | 276  | 795354   | 27.522 | ng/ul  | 98       |

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

