

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG072723\  
 Data File : BG058498.D  
 Acq On : 27 Jul 2023 12:48  
 Operator : MA/JU  
 Sample : PB154055BS  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SLCS055

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 07/28/2023  
 Supervised By :mohammad ahmed 07/28/2023

Quant Time: Jul 28 01:16:17 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG071723.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Jul 26 17:43:09 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.817  | 152  | 49553    | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.620 | 136  | 210088   | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.462 | 164  | 145095   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.206 | 188  | 350936   | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.448 | 240  | 305460   | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 24.515 | 264  | 346713   | 20.000 | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.240  | 96   | 8570m    | 6.366  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.652  | 84   | 65991    | 16.514 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 6.983  | 99   | 136611   | 29.061 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.148  | 67   | 87553    | 29.799 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.347  | 132  | 101765   | 30.927 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.528  | 113  | 101817   | 28.396 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 8.981  | 128  | 49946    | 31.717 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.703  | 143  | 57216    | 33.281 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.244 | 165  | 102937   | 31.235 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.755 | 131  | 43957    | 9.201  | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.869 | 166  | 333025   | 29.765 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.157 | 160  | 379296   | 32.349 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.674 | 143  | 48024    | 28.421 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.455 | 176  | 296436   | 32.001 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.585 | 200  | 52994    | 29.639 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.306 | 188  | 485861   | 32.042 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.598 | 212  | 587214   | 32.548 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.310 | 264  | 578596   | 34.527 | ng/u1  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.276  | 88   | 17044    | 11.161 | ng/uL# | 95       |
| 5) Pyridine                   | 3.669  | 79   | 112457   | 26.648 | ng/u1  | 95       |
| 6) Benzaldehyde               | 6.954  | 77   | 58114m   | 30.612 | ng/u1  |          |
| 8) Phenol                     | 7.012  | 94   | 136805   | 28.024 | ng/u1  | 97       |
| 10) Bis(2-Chloroethyl)ether   | 7.236  | 93   | 105335   | 28.166 | ng/u1  | 99       |
| 12) 2-Chlorophenol            | 7.377  | 128  | 100602   | 29.208 | ng/u1  | 99       |
| 13) 2-Methylphenol            | 8.264  | 108  | 105397   | 27.702 | ng/u1  | 100      |
| 14) 2,2'-oxybis(1-Chloropr... | 8.340  | 45   | 170982m  | 27.899 | ng/u1  |          |
| 16) Acetophenone              | 8.640  | 105  | 166790   | 27.315 | ng/u1  | 98       |
| 17) N-Nitroso-di-n-propyla... | 8.622  | 70   | 86303    | 25.824 | ng/u1  | 98       |
| 18) 4-Methylphenol            | 8.593  | 108  | 114667   | 27.732 | ng/u1  | 97       |
| 19) Hexachloroethane          | 8.893  | 117  | 40335    | 29.709 | ng/u1  | 90       |
| 22) Nitrobenzene              | 9.022  | 77   | 123509   | 29.411 | ng/u1  | 99       |
| 23) Isophorone                | 9.539  | 82   | 254349   | 27.015 | ng/u1  | 100      |
| 25) 2-Nitrophenol             | 9.733  | 139  | 56832    | 30.949 | ng/u1  | 97       |
| 26) 2,4-Dimethylphenol        | 9.791  | 107  | 110258   | 26.928 | ng/u1  | 95       |
| 27) Bis(2-Chloroethoxy)met... | 10.026 | 93   | 143934   | 28.866 | ng/u1  | 97       |
| 29) 2,4-Dichlorophenol        | 10.267 | 162  | 95856    | 30.645 | ng/u1  | 98       |
| 30) Naphthalene               | 10.667 | 128  | 332395   | 29.600 | ng/u1  | 99       |
| 32) 4-Chloroaniline           | 10.779 | 127  | 83221    | 17.043 | ng/u1  | 98       |
| 33) Hexachlorobutadiene       | 10.949 | 225  | 72626    | 32.471 | ng/u1  | 99       |
| 34) Caprolactam               | 11.531 | 113  | 35640m   | 27.433 | ng/u1  |          |
| 35) 4-Chloro-3-methylphenol   | 11.913 | 107  | 115311   | 28.967 | ng/u1  | 95       |
| 36) 2-Methylnaphthalene       | 12.283 | 142  | 220198   | 29.268 | ng/u1  | 96       |

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| 37) 1-Methylnaphthalene       | 12.500 | 142  | 226915   | 29.428 | ng/ul  | 98       |
| 39) 1,2,4,5-Tetrachloroben... | 12.653 | 216  | 134184   | 31.947 | ng/ul  | 100      |
| 40) Hexachlorocyclopentadiene | 12.629 | 237  | 41974    | 18.580 | ng/ul  | 97       |
| 41) 2,4,6-Trichlorophenol     | 12.894 | 196  | 77938    | 27.411 | ng/ul  | 99       |
| 42) 2,4,5-Trichlorophenol     | 12.970 | 196  | 84447    | 27.852 | ng/ul  | 97       |
| 43) 1,1'-Biphenyl             | 13.293 | 154  | 293080   | 29.872 | ng/ul  | 97       |
| 44) 2-Chloronaphthalene       | 13.340 | 162  | 241112   | 30.909 | ng/ul  | 98       |
| 45) 2-Nitroaniline            | 13.546 | 65   | 84294    | 31.109 | ng/ul  | 97       |
| 47) Dimethylphthalate         | 13.916 | 163  | 314209   | 27.958 | ng/ul  | 99       |
| 48) 2,6-Dinitrotoluene        | 14.045 | 165  | 68808    | 31.684 | ng/ul  | 93       |
| 50) Acenaphthylene            | 14.186 | 152  | 381422   | 30.136 | ng/ul  | 100      |
| 51) 3-Nitroaniline            | 14.374 | 138  | 63203    | 34.922 | ng/ul# | 93       |
| 52) Acenaphthene              | 14.527 | 153  | 261715   | 29.783 | ng/ul  | 98       |
| 53) 2,4-Dinitrophenol         | 14.592 | 184  | 22438    | 19.413 | ng/ul  | 92       |
| 55) 4-Nitrophenol             | 14.692 | 109  | 33163    | 25.484 | ng/ul  | 92       |
| 56) Dibenzofuran              | 14.862 | 168  | 376677   | 30.104 | ng/ul  | 97       |
| 57) 2,4-Dinitrotoluene        | 14.833 | 165  | 99741    | 31.843 | ng/ul# | 96       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.091 | 232  | 67058    | 23.939 | ng/ul# | 98       |
| 59) Diethylphthalate          | 15.279 | 149  | 327653   | 28.300 | ng/ul  | 100      |
| 61) Fluorene                  | 15.514 | 166  | 306622   | 29.882 | ng/ul  | 100      |
| 62) 4-Chlorophenyl-phenyle... | 15.502 | 204  | 164974   | 30.285 | ng/ul  | 97       |
| 63) 4-Nitroaniline            | 15.538 | 138  | 65089m   | 39.746 | ng/ul  |          |
| 66) 4,6-Dinitro-2-methylph... | 15.596 | 198  | 50129    | 27.251 | ng/ul  | 98       |
| 67) N-Nitrosodiphenylamine    | 15.720 | 169  | 260017   | 29.890 | ng/ul  | 98       |
| 68) 4-Bromophenyl-phenylether | 16.395 | 248  | 116672   | 31.388 | ng/ul  | 98       |
| 69) Hexachlorobenzene         | 16.513 | 284  | 132069   | 31.488 | ng/ul  | 98       |
| 71) Pentachlorophenol         | 16.866 | 266  | 41140m   | 17.474 | ng/ul  |          |
| 72) Phenanthrene              | 17.247 | 178  | 506235   | 30.355 | ng/ul  | 98       |
| 74) Anthracene                | 17.341 | 178  | 500298   | 29.882 | ng/ul  | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 13.258 | 216  | 136555   | 31.022 | ng/uL  | 97       |
| 76) Pentachlorobenzene        | 14.786 | 250  | 145742   | 30.277 | ng/uL  | 97       |
| 77) Carbazole                 | 17.612 | 167  | 460452   | 31.727 | ng/ul  | 99       |
| 78) Di-n-butylphthalate       | 18.164 | 149  | 591245   | 32.060 | ng/ul  | 99       |
| 80) Fluoranthene              | 19.263 | 202  | 632022   | 30.579 | ng/ul  | 99       |
| 82) Pyrene                    | 19.627 | 202  | 640094   | 30.565 | ng/ul  | 99       |
| 83) Butylbenzylphthalate      | 20.514 | 149  | 267646   | 32.456 | ng/ul  | 97       |
| 84) 3,3'-Dichlorobenzidine    | 21.349 | 252  | 208721   | 30.610 | ng/ul  | 98       |
| 85) Benzo(a)anthracene        | 21.431 | 228  | 651499   | 31.732 | ng/ul  | 99       |
| 86) Bis(2-ethylhexyl)phtha... | 21.337 | 149  | 369258   | 31.482 | ng/ul  | 98       |
| 87) Chrysene                  | 21.495 | 228  | 616261   | 31.644 | ng/ul  | 99       |
| 89) Di-n-octyl phthalate      | 22.488 | 149  | 666790   | 36.145 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 23.546 | 252  | 647685   | 32.287 | ng/ul  | 100      |
| 91) Benzo(k)fluoranthene      | 23.605 | 252  | 678124   | 33.894 | ng/ul  | 99       |
| 93) Benzo(a)pyrene            | 24.374 | 252  | 579452   | 32.476 | ng/ul  | 98       |
| 94) Indeno(1,2,3-cd)pyrene    | 28.000 | 276  | 602661m  | 25.636 | ng/ul  |          |
| 95) Dibenzo(a,h)anthracene    | 28.058 | 278  | 493327m  | 25.591 | ng/ul  |          |
| 96) Benzo(g,h,i)perylene      | 29.098 | 276  | 440382m  | 22.993 | ng/ul  |          |

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

