

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG070123\  
 Data File : BG057943.D  
 Acq On : 1 Jul 2023 15:20  
 Operator : CG/JU  
 Sample : SSTDICV020  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SICV441

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 07/02/2023  
 Supervised By :Sohil Jodhani 07/02/2023

Quant Time: Jul 02 07:52:09 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG070123.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Sun Jul 02 07:50:15 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.929  | 152  | 39859    | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.732 | 136  | 177705   | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.563 | 164  | 123124   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.307 | 188  | 297095   | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.560 | 240  | 259965   | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 24.716 | 264  | 318140   | 20.000 | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.370  | 96   | 10174    | 8.938  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.775  | 84   | 75436    | 21.829 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 7.089  | 99   | 89317    | 21.942 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.254  | 67   | 55009    | 22.425 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.459  | 132  | 61560    | 21.927 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.634  | 113  | 67334    | 21.922 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 9.093  | 128  | 32802    | 22.647 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.810  | 143  | 35527    | 23.339 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.350 | 165  | 67764    | 23.206 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.867 | 131  | 101049   | 22.824 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.969 | 166  | 219162   | 22.560 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.257 | 160  | 247138   | 23.313 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.763 | 143  | 38053    | 22.171 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.556 | 176  | 190547   | 23.096 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.667 | 200  | 35529    | 22.023 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.407 | 188  | 317387   | 23.022 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.692 | 212  | 372064   | 22.725 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.498 | 264  | 356061   | 21.968 | ng/u1  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.405  | 88   | 10989    | 7.815  | ng/uL  | 92       |
| 5) Pyridine                   | 3.793  | 79   | 79449    | 22.438 | ng/u1  | 98       |
| 6) Benzaldehyde               | 7.072  | 77   | 17624    | 12.964 | ng/u1  | 94       |
| 8) Phenol                     | 7.119  | 94   | 92140    | 22.306 | ng/u1  | 97       |
| 10) Bis(2-Chloroethyl)ether   | 7.348  | 93   | 70979    | 22.254 | ng/u1  | 94       |
| 12) 2-Chlorophenol            | 7.495  | 128  | 64524    | 22.086 | ng/u1  | 98       |
| 13) 2-Methylphenol            | 8.370  | 108  | 71230    | 21.957 | ng/u1  | 96       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.458  | 45   | 108006   | 21.999 | ng/u1  | 98       |
| 16) Acetophenone              | 8.752  | 105  | 116353   | 22.832 | ng/u1  | 99       |
| 17) N-Nitroso-di-n-propyla... | 8.734  | 70   | 61403    | 22.540 | ng/u1  | 93       |
| 18) 4-Methylphenol            | 8.699  | 108  | 78075    | 22.257 | ng/u1  | 97       |
| 19) Hexachloroethane          | 9.010  | 117  | 24961    | 22.287 | ng/u1  | 95       |
| 22) Nitrobenzene              | 9.134  | 77   | 84287    | 22.417 | ng/u1  | 98       |
| 23) Isophorone                | 9.651  | 82   | 182295   | 22.722 | ng/u1  | 99       |
| 25) 2-Nitrophenol             | 9.845  | 139  | 37709    | 23.086 | ng/u1  | 98       |
| 26) 2,4-Dimethylphenol        | 9.904  | 107  | 81854    | 22.285 | ng/u1  | 98       |
| 27) Bis(2-Chloroethoxy)met... | 10.139 | 93   | 103025   | 22.788 | ng/u1  | 99       |
| 29) 2,4-Dichlorophenol        | 10.379 | 162  | 64448    | 22.699 | ng/u1  | 93       |
| 30) Naphthalene               | 10.785 | 128  | 226353   | 22.666 | ng/u1  | 97       |
| 32) 4-Chloroaniline           | 10.891 | 127  | 105777   | 23.366 | ng/u1  | 98       |
| 33) Hexachlorobutadiene       | 11.067 | 225  | 45041    | 22.408 | ng/u1  | 99       |
| 34) Caprolactam               | 11.654 | 113  | 24566m   | 21.521 | ng/u1  |          |
| 35) 4-Chloro-3-methylphenol   | 12.013 | 107  | 78279    | 22.444 | ng/u1  | 98       |
| 36) 2-Methylnaphthalene       | 12.389 | 142  | 151449   | 22.497 | ng/u1  | 96       |

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| 37) 1-Methylnaphthalene       | 12.612 | 142  | 153134   | 22.684 | ng/ul  | 98       |
| 39) 1,2,4,5-Tetrachloroben... | 12.759 | 216  | 86887    | 23.157 | ng/ul  | 99       |
| 40) Hexachlorocyclopentadiene | 12.736 | 237  | 53827    | 22.775 | ng/ul  | 95       |
| 41) 2,4,6-Trichlorophenol     | 12.994 | 196  | 59451    | 23.378 | ng/ul  | 99       |
| 42) 2,4,5-Trichlorophenol     | 13.070 | 196  | 63866    | 23.222 | ng/ul  | 94       |
| 43) 1,1'-Biphenyl             | 13.399 | 154  | 204529   | 23.051 | ng/ul  | 99       |
| 44) 2-Chloronaphthalene       | 13.441 | 162  | 164957   | 23.165 | ng/ul  | 99       |
| 45) 2-Nitroaniline            | 13.646 | 65   | 58252    | 23.528 | ng/ul  | 95       |
| 47) Dimethylphthalate         | 14.016 | 163  | 222625   | 22.810 | ng/ul  | 100      |
| 48) 2,6-Dinitrotoluene        | 14.134 | 165  | 46384    | 23.153 | ng/ul  | 93       |
| 50) Acenaphthylene            | 14.287 | 152  | 265157   | 23.163 | ng/ul  | 98       |
| 51) 3-Nitroaniline            | 14.469 | 138  | 33084    | 19.541 | ng/ul  | 91       |
| 52) Acenaphthene              | 14.627 | 153  | 179046   | 22.793 | ng/ul  | 98       |
| 53) 2,4-Dinitrophenol         | 14.674 | 184  | 22723    | 21.756 | ng/ul  | 97       |
| 55) 4-Nitrophenol             | 14.774 | 109  | 29615    | 23.292 | ng/ul  | 95       |
| 56) Dibenzofuran              | 14.962 | 168  | 260201   | 23.302 | ng/ul  | 97       |
| 57) 2,4-Dinitrotoluene        | 14.921 | 165  | 67898    | 23.921 | ng/ul  | 98       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.186 | 232  | 57845    | 23.104 | ng/ul# | 97       |
| 59) Diethylphthalate          | 15.379 | 149  | 232802   | 22.853 | ng/ul  | 100      |
| 61) Fluorene                  | 15.609 | 166  | 212516   | 23.195 | ng/ul  | 98       |
| 62) 4-Chlorophenyl-phenyle... | 15.603 | 204  | 112477   | 23.201 | ng/ul  | 97       |
| 63) 4-Nitroaniline            | 15.626 | 138  | 27208m   | 17.940 | ng/ul  |          |
| 66) 4,6-Dinitro-2-methylph... | 15.685 | 198  | 38276    | 23.201 | ng/ul  | 95       |
| 67) N-Nitrosodiphenylamine    | 15.814 | 169  | 181725   | 22.984 | ng/ul  | 97       |
| 68) 4-Bromophenyl-phenylether | 16.496 | 248  | 75277    | 23.083 | ng/ul  | 98       |
| 69) Hexachlorobenzene         | 16.613 | 284  | 85128    | 23.315 | ng/ul  | 98       |
| 70) Atrazine                  | 16.760 | 200  | 73728    | 22.803 | ng/ul  | 97       |
| 71) Pentachlorophenol         | 16.954 | 266  | 48655    | 22.197 | ng/ul  | 97       |
| 72) Phenanthrene              | 17.348 | 178  | 347607   | 23.002 | ng/ul  | 100      |
| 74) Anthracene                | 17.442 | 178  | 351213   | 22.966 | ng/ul  | 100      |
| 75) 1,2,3,4-Tetrachloroben... | 13.364 | 216  | 92325    | 23.432 | ng/uL  | 100      |
| 76) Pentachlorobenzene        | 14.880 | 250  | 100347   | 23.846 | ng/uL  | 94       |
| 77) Carbazole                 | 17.706 | 167  | 331556   | 23.972 | ng/ul  | 100      |
| 78) Di-n-butylphthalate       | 18.264 | 149  | 404946   | 22.984 | ng/ul  | 99       |
| 80) Fluoranthene              | 19.357 | 202  | 429970   | 22.664 | ng/ul  | 99       |
| 82) Pyrene                    | 19.721 | 202  | 434156   | 22.734 | ng/ul  | 99       |
| 83) Butylbenzylphthalate      | 20.609 | 149  | 177590   | 22.933 | ng/ul  | 98       |
| 84) 3,3'-Dichlorobenzidine    | 21.461 | 252  | 151404   | 24.057 | ng/ul  | 99       |
| 85) Benzo(a)anthracene        | 21.543 | 228  | 424589   | 22.747 | ng/ul  | 99       |
| 86) Bis(2-ethylhexyl)phtha... | 21.449 | 149  | 252633   | 22.765 | ng/ul  | 98       |
| 87) Chrysene                  | 21.602 | 228  | 400896   | 22.911 | ng/ul  | 99       |
| 89) Di-n-octyl phthalate      | 22.636 | 149  | 445716   | 22.802 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 23.711 | 252  | 433038   | 21.983 | ng/ul  | 99       |
| 91) Benzo(k)fluoranthene      | 23.776 | 252  | 437235   | 22.645 | ng/ul  | 99       |
| 93) Benzo(a)pyrene            | 24.569 | 252  | 389292   | 22.328 | ng/ul  | 100      |
| 94) Indeno(1,2,3-cd)pyrene    | 28.306 | 276  | 515918   | 22.284 | ng/ul  | 98       |
| 95) Dibenzo(a,h)anthracene    | 28.370 | 278  | 424969   | 22.259 | ng/ul  | 97       |
| 96) Benzo(g,h,i)perylene      | 29.428 | 276  | 416091   | 22.003 | ng/ul  | 99       |

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

