

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG092723\  
 Data File : BG059219.D  
 Acq On : 27 Sep 2023 20:15  
 Operator : MA/JU  
 Sample : SSTD02033  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSTD020437

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 09/28/2023  
 Supervised By :mohammad ahmed 09/29/2023

Quant Time: Sep 28 03:56:16 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG092723.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Sep 28 03:42:12 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.231  | 152  | 43994    | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 11.075 | 136  | 219323   | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.870 | 164  | 131941   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.620 | 188  | 303938   | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.921 | 240  | 278544   | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 25.411 | 264  | 327186   | 20.000 | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.525  | 96   | 9744     | 8.590  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.966  | 84   | 67912    | 20.234 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 7.362  | 99   | 89621    | 20.700 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.555  | 67   | 60328    | 22.556 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.749  | 132  | 61803    | 19.715 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.930  | 113  | 70079    | 20.489 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 9.436  | 128  | 31275    | 19.071 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 10.152 | 143  | 31327    | 18.840 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.675 | 165  | 65910    | 20.579 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 11.222 | 131  | 100635   | 20.132 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 14.265 | 166  | 205269   | 20.542 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.571 | 160  | 257790   | 20.990 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 15.058 | 143  | 34096    | 18.851 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.858 | 176  | 191268   | 20.801 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.963 | 200  | 30136    | 17.752 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.720 | 188  | 285935   | 20.884 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.994 | 212  | 327556   | 20.440 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 25.164 | 264  | 331570   | 20.959 | ng/u1  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.566  | 88   | 10733    | 8.256  | ng/uL  | 100      |
| 5) Pyridine                   | 3.989  | 79   | 68839    | 20.529 | ng/u1  | 100      |
| 6) Benzaldehyde               | 7.379  | 77   | 51318    | 23.308 | ng/u1  | 100      |
| 8) Phenol                     | 7.385  | 94   | 89246    | 20.207 | ng/u1  | 100      |
| 10) Bis(2-Chloroethyl)ether   | 7.649  | 93   | 73870    | 20.840 | ng/u1  | 100      |
| 12) 2-Chlorophenol            | 7.785  | 128  | 67050    | 20.878 | ng/u1  | 100      |
| 13) 2-Methylphenol            | 8.660  | 108  | 68400    | 20.832 | ng/u1  | 100      |
| 14) 2,2'-oxybis(1-Chloropr... | 8.742  | 45   | 169073   | 22.518 | ng/u1  | 100      |
| 16) Acetophenone              | 9.077  | 105  | 111182   | 21.008 | ng/u1  | 100      |
| 17) N-Nitroso-di-n-propyla... | 9.036  | 70   | 56850    | 21.152 | ng/u1  | 100      |
| 18) 4-Methylphenol            | 8.995  | 108  | 71833    | 20.409 | ng/u1  | 100      |
| 19) Hexachloroethane          | 9.318  | 117  | 24933    | 19.714 | ng/u1  | 100      |
| 22) Nitrobenzene              | 9.477  | 77   | 79467    | 20.790 | ng/u1  | 100      |
| 23) Isophorone                | 9.982  | 82   | 170207   | 20.892 | ng/u1  | 100      |
| 25) 2-Nitrophenol             | 10.182 | 139  | 34519    | 18.633 | ng/u1  | 100      |
| 26) 2,4-Dimethylphenol        | 10.211 | 107  | 76109    | 21.160 | ng/u1  | 100      |
| 27) Bis(2-Chloroethoxy)met... | 10.464 | 93   | 110058   | 21.432 | ng/u1  | 100      |
| 29) 2,4-Dichlorophenol        | 10.705 | 162  | 67150    | 20.728 | ng/u1  | 100      |
| 30) Naphthalene               | 11.128 | 128  | 246005   | 21.087 | ng/u1  | 100      |
| 32) 4-Chloroaniline           | 11.245 | 127  | 99368    | 20.166 | ng/u1  | 100      |
| 33) Hexachlorobutadiene       | 11.357 | 225  | 43030    | 20.689 | ng/u1  | 100      |
| 34) Caprolactam               | 12.027 | 113  | 22351m   | 19.501 | ng/u1  | 100      |
| 35) 4-Chloro-3-methylphenol   | 12.326 | 107  | 70875    | 20.629 | ng/u1  | 100      |
| 36) 2-Methylnaphthalene       | 12.714 | 142  | 161415   | 20.714 | ng/u1  | 100      |

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| 37) 1-Methylnaphthalene       | 12.932 | 142  | 168136   | 21.288 | ng/ul | 100      |
| 39) 1,2,4,5-Tetrachloroben... | 13.055 | 216  | 84366    | 21.928 | ng/ul | 100      |
| 40) Hexachlorocyclopentadiene | 13.008 | 237  | 49896    | 20.211 | ng/ul | 100      |
| 41) 2,4,6-Trichlorophenol     | 13.302 | 196  | 52687    | 21.046 | ng/ul | 100      |
| 42) 2,4,5-Trichlorophenol     | 13.372 | 196  | 55844    | 20.640 | ng/ul | 100      |
| 43) 1,1'-Biphenyl             | 13.707 | 154  | 231332   | 21.901 | ng/ul | 100      |
| 44) 2-Chloronaphthalene       | 13.760 | 162  | 172576   | 21.506 | ng/ul | 100      |
| 45) 2-Nitroaniline            | 13.977 | 65   | 49109    | 19.753 | ng/ul | 100      |
| 47) Dimethylphthalate         | 14.312 | 163  | 208774   | 20.422 | ng/ul | 100      |
| 48) 2,6-Dinitrotoluene        | 14.453 | 165  | 35580    | 19.447 | ng/ul | 100      |
| 50) Acenaphthylene            | 14.600 | 152  | 277676   | 21.104 | ng/ul | 100      |
| 51) 3-Nitroaniline            | 14.794 | 138  | 38293    | 18.881 | ng/ul | 100      |
| 52) Acenaphthene              | 14.935 | 153  | 186598   | 20.921 | ng/ul | 100      |
| 53) 2,4-Dinitrophenol         | 14.988 | 184  | 15971    | 14.489 | ng/ul | 100      |
| 55) 4-Nitrophenol             | 15.070 | 109  | 24393    | 20.109 | ng/ul | 100      |
| 56) Dibenzofuran              | 15.264 | 168  | 251241   | 21.208 | ng/ul | 100      |
| 57) 2,4-Dinitrotoluene        | 15.235 | 165  | 52586    | 19.698 | ng/ul | 100      |
| 58) 2,3,4,6-Tetrachlorophenol | 15.476 | 232  | 49094    | 19.849 | ng/ul | 100      |
| 59) Diethylphthalate          | 15.658 | 149  | 200848   | 20.092 | ng/ul | 100      |
| 61) Fluorene                  | 15.910 | 166  | 207189   | 20.728 | ng/ul | 100      |
| 62) 4-Chlorophenyl-phenyle... | 15.893 | 204  | 104068   | 20.836 | ng/ul | 100      |
| 63) 4-Nitroaniline            | 15.957 | 138  | 38710m   | 20.147 | ng/ul |          |
| 66) 4,6-Dinitro-2-methylph... | 15.981 | 198  | 31146    | 17.255 | ng/ul | 100      |
| 67) N-Nitrosodiphenylamine    | 16.116 | 169  | 170826   | 21.173 | ng/ul | 100      |
| 68) 4-Bromophenyl-phenylether | 16.792 | 248  | 61129    | 20.923 | ng/ul | 100      |
| 69) Hexachlorobenzene         | 16.886 | 284  | 68908    | 20.578 | ng/ul | 100      |
| 70) Atrazine                  | 17.050 | 200  | 64587    | 20.767 | ng/ul | 100      |
| 71) Pentachlorophenol         | 17.238 | 266  | 38142    | 17.927 | ng/ul | 100      |
| 72) Phenanthrene              | 17.661 | 178  | 346527   | 20.597 | ng/ul | 100      |
| 74) Anthracene                | 17.755 | 178  | 362808   | 21.072 | ng/ul | 100      |
| 75) 1,2,3,4-Tetrachloroben... | 13.666 | 216  | 84917    | 21.125 | ng/uL | 100      |
| 76) Pentachlorobenzene        | 15.158 | 250  | 83113    | 22.065 | ng/uL | 100      |
| 77) Carbazole                 | 18.031 | 167  | 291979   | 20.533 | ng/ul | 100      |
| 78) Di-n-butylphthalate       | 18.537 | 149  | 351254   | 20.174 | ng/ul | 100      |
| 80) Fluoranthene              | 19.659 | 202  | 403304   | 20.198 | ng/ul | 100      |
| 82) Pyrene                    | 20.023 | 202  | 427565   | 20.443 | ng/ul | 100      |
| 83) Butylbenzylphthalate      | 20.875 | 149  | 149154   | 19.840 | ng/ul | 100      |
| 84) 3,3'-Dichlorobenzidine    | 21.815 | 252  | 143282   | 21.583 | ng/ul | 100      |
| 85) Benzo(a)anthracene        | 21.903 | 228  | 409847   | 20.440 | ng/ul | 100      |
| 86) Bis(2-ethylhexyl)phtha... | 21.739 | 149  | 231688   | 20.462 | ng/ul | 100      |
| 87) Chrysene                  | 21.974 | 228  | 382219   | 20.525 | ng/ul | 100      |
| 89) Di-n-octyl phthalate      | 23.031 | 149  | 387762   | 19.794 | ng/ul | 100      |
| 90) Benzo(b)fluoranthene      | 24.283 | 252  | 424798   | 21.477 | ng/ul | 100      |
| 91) Benzo(k)fluoranthene      | 24.359 | 252  | 420419   | 20.573 | ng/ul | 100      |
| 93) Benzo(a)pyrene            | 25.241 | 252  | 395736   | 20.899 | ng/ul | 100      |
| 94) Indeno(1,2,3-cd)pyrene    | 29.436 | 276  | 454447m  | 20.986 | ng/ul |          |
| 95) Dibenzo(a,h)anthracene    | 29.512 | 278  | 364882   | 20.952 | ng/ul | 100      |
| 96) Benzo(g,h,i)perylene      | 30.711 | 276  | 363351m  | 20.871 | ng/ul |          |

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

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