

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG022823\  
 Data File : BG056762.D  
 Acq On : 28 Feb 2023 19:47  
 Operator : CG/JU  
 Sample : SSTDCCC020EC  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSTD020597

Quant Time: Mar 01 00:02:31 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG022323.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Feb 28 23:55:08 2023  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/01/2023  
 Supervised By :Jagrut Upadhyay 03/01/2023

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.420  | 152  | 18628    | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 11.258 | 136  | 80163    | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 15.024 | 164  | 64262    | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.756 | 188  | 156831   | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 22.063 | 240  | 145543   | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 25.588 | 264  | 157097   | 20.000 | ng/u1  | -0.01    |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.702  | 96   | 3547     | 10.563 | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 4.137  | 84   | 28710    | 21.181 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 7.539  | 99   | 37794    | 20.275 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.721  | 67   | 23499    | 20.666 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.938  | 132  | 25336    | 20.467 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 9.107  | 113  | 28310    | 19.876 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 9.589  | 128  | 13903    | 20.695 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 10.324 | 143  | 17626    | 22.042 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.864 | 165  | 32168    | 21.353 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 11.375 | 131  | 40182    | 20.450 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 14.407 | 166  | 106131   | 20.470 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.719 | 160  | 120227   | 20.402 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 15.177 | 143  | 17562    | 19.646 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 16.005 | 176  | 98212    | 20.478 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 16.105 | 200  | 20841    | 19.863 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.856 | 188  | 157366   | 20.683 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 20.112 | 212  | 183164   | 18.598 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 25.341 | 264  | 174668   | 20.599 | ng/u1  | -0.01    |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.737  | 88   | 3824     | 9.236  | ng/uL  | 92       |
| 5) Pyridine                   | 4.160  | 79   | 31329    | 21.825 | ng/u1  | 95       |
| 6) Benzaldehyde               | 7.539  | 77   | 24743    | 25.336 | ng/u1  | 92       |
| 8) Phenol                     | 7.568  | 94   | 39236    | 20.635 | ng/u1  | 97       |
| 10) Bis(2-Chloroethyl)ether   | 7.815  | 93   | 28178    | 20.858 | ng/u1  | 99       |
| 12) 2-Chlorophenol            | 7.973  | 128  | 24947    | 20.350 | ng/u1  | 96       |
| 13) 2-Methylphenol            | 8.843  | 108  | 28647    | 19.974 | ng/u1  | 96       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.937  | 45   | 36805    | 20.274 | ng/u1# | 95       |
| 16) Acetophenone              | 9.248  | 105  | 48816    | 20.014 | ng/u1  | 96       |
| 17) N-Nitroso-di-n-propyla... | 9.219  | 70   | 28778    | 20.563 | ng/u1  | 97       |
| 18) 4-Methylphenol            | 9.172  | 108  | 31037    | 19.916 | ng/u1  | 100      |
| 19) Hexachloroethane          | 9.525  | 117  | 10774    | 20.667 | ng/u1# | 87       |
| 22) Nitrobenzene              | 9.636  | 77   | 43489    | 22.324 | ng/u1  | 98       |
| 23) Isophorone                | 10.153 | 82   | 77870    | 20.446 | ng/u1  | 97       |
| 25) 2-Nitrophenol             | 10.353 | 139  | 16443    | 20.831 | ng/u1  | 97       |
| 26) 2,4-Dimethylphenol        | 10.394 | 107  | 38051    | 21.584 | ng/u1  | 96       |
| 27) Bis(2-Chloroethoxy)met... | 10.635 | 93   | 41105    | 21.352 | ng/u1  | 95       |
| 29) 2,4-Dichlorophenol        | 10.888 | 162  | 30920    | 21.195 | ng/u1  | 97       |
| 30) Naphthalene               | 11.311 | 128  | 92566    | 20.978 | ng/u1  | 97       |
| 32) 4-Chloroaniline           | 11.405 | 127  | 40324    | 20.717 | ng/u1  | 97       |
| 33) Hexachlorobutadiene       | 11.587 | 225  | 25742    | 22.140 | ng/u1  | 90       |
| 34) Caprolactam               | 12.133 | 113  | 10387m   | 20.943 | ng/u1  |          |
| 35) 4-Chloro-3-methylphenol   | 12.480 | 107  | 35231    | 21.021 | ng/u1  | 98       |
| 36) 2-Methylnaphthalene       | 12.879 | 142  | 67492    | 21.358 | ng/u1  | 99       |

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| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 37) 1-Methylnaphthalene       | 13.097 | 142  | 66872    | 21.463 | ng/ul  | 96       |
| 39) 1,2,4,5-Tetrachloroben... | 13.238 | 216  | 49569    | 21.756 | ng/ul  | 99       |
| 40) Hexachlorocyclopentadiene | 13.220 | 237  | 31727    | 19.434 | ng/ul  | 92       |
| 41) 2,4,6-Trichlorophenol     | 13.467 | 196  | 31819    | 20.901 | ng/ul  | 92       |
| 42) 2,4,5-Trichlorophenol     | 13.532 | 196  | 35110    | 21.240 | ng/ul  | 92       |
| 43) 1,1'-Biphenyl             | 13.861 | 154  | 98204    | 20.782 | ng/ul  | 99       |
| 44) 2-Chloronaphthalene       | 13.914 | 162  | 81163    | 20.759 | ng/ul  | 95       |
| 45) 2-Nitroaniline            | 14.102 | 65   | 27967    | 20.608 | ng/ul  | 94       |
| 47) Dimethylphthalate         | 14.454 | 163  | 105505   | 20.010 | ng/ul  | 100      |
| 48) 2,6-Dinitrotoluene        | 14.583 | 165  | 21576    | 19.962 | ng/ul  | 89       |
| 50) Acenaphthylene            | 14.748 | 152  | 121408   | 20.394 | ng/ul  | 98       |
| 51) 3-Nitroaniline            | 14.907 | 138  | 21064    | 21.775 | ng/ul  | 92       |
| 52) Acenaphthene              | 15.089 | 153  | 84217    | 20.593 | ng/ul  | 96       |
| 53) 2,4-Dinitrophenol         | 15.112 | 184  | 13451    | 19.426 | ng/ul  | 97       |
| 55) 4-Nitrophenol             | 15.194 | 109  | 21205    | 20.493 | ng/ul  | 97       |
| 56) Dibenzofuran              | 15.418 | 168  | 128279   | 20.664 | ng/ul  | 96       |
| 57) 2,4-Dinitrotoluene        | 15.359 | 165  | 31517    | 20.339 | ng/ul# | 94       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.629 | 232  | 30377    | 19.747 | ng/ul# | 97       |
| 59) Diethylphthalate          | 15.805 | 149  | 104016   | 19.708 | ng/ul  | 98       |
| 61) Fluorene                  | 16.058 | 166  | 100631   | 20.244 | ng/ul  | 98       |
| 62) 4-Chlorophenyl-phenyle... | 16.040 | 204  | 61163    | 20.773 | ng/ul  | 99       |
| 63) 4-Nitroaniline            | 16.064 | 138  | 19868    | 21.021 | ng/ul  | 97       |
| 66) 4,6-Dinitro-2-methylph... | 16.123 | 198  | 21035    | 20.824 | ng/ul  | 91       |
| 67) N-Nitrosodiphenylamine    | 16.252 | 169  | 88838    | 20.370 | ng/ul  | 96       |
| 68) 4-Bromophenyl-phenylether | 16.934 | 248  | 42735    | 21.502 | ng/ul  | 98       |
| 69) Hexachlorobenzene         | 17.057 | 284  | 44945    | 21.049 | ng/ul  | 97       |
| 70) Atrazine                  | 17.180 | 200  | 39117    | 20.652 | ng/ul  | 95       |
| 71) Pentachlorophenol         | 17.398 | 266  | 27916    | 23.025 | ng/ul  | 94       |
| 72) Phenanthrene              | 17.797 | 178  | 177281   | 20.868 | ng/ul  | 99       |
| 74) Anthracene                | 17.891 | 178  | 176476   | 20.556 | ng/ul  | 97       |
| 75) 1,2,3,4-Tetrachloroben... | 13.837 | 216  | 51951    | 21.653 | ng/uL  | 99       |
| 76) Pentachlorobenzene        | 15.335 | 250  | 53442    | 21.962 | ng/uL  | 98       |
| 77) Carbazole                 | 18.150 | 167  | 149459   | 20.807 | ng/ul  | 96       |
| 78) Di-n-butylphthalate       | 18.679 | 149  | 168675   | 20.374 | ng/ul  | 99       |
| 80) Fluoranthene              | 19.783 | 202  | 215088   | 18.062 | ng/ul  | 99       |
| 82) Pyrene                    | 20.142 | 202  | 216440   | 18.449 | ng/ul  | 99       |
| 83) Butylbenzylphthalate      | 20.999 | 149  | 72785    | 19.557 | ng/ul  | 94       |
| 84) 3,3'-Dichlorobenzidine    | 21.939 | 252  | 78104    | 21.404 | ng/ul  | 97       |
| 85) Benzo(a)anthracene        | 22.045 | 228  | 217270   | 20.511 | ng/ul  | 99       |
| 86) Bis(2-ethylhexyl)phtha... | 21.904 | 149  | 104843   | 20.054 | ng/ul  | 100      |
| 87) Chrysene                  | 22.116 | 228  | 201009   | 20.374 | ng/ul  | 100      |
| 89) Di-n-octyl phthalate      | 23.220 | 149  | 176765   | 20.697 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 24.460 | 252  | 215622   | 20.503 | ng/ul  | 98       |
| 91) Benzo(k)fluoranthene      | 24.531 | 252  | 211180   | 20.616 | ng/ul  | 97       |
| 93) Benzo(a)pyrene            | 25.418 | 252  | 185382   | 20.054 | ng/ul  | 98       |
| 94) Indeno(1,2,3-cd)pyrene    | 29.654 | 276  | 255590   | 20.353 | ng/ul  | 99       |
| 95) Dibenzo(a,h)anthracene    | 29.719 | 278  | 211957   | 20.186 | ng/ul  | 94       |
| 96) Benzo(g,h,i)perylene      | 30.929 | 276  | 204963   | 20.433 | ng/ul  | 97       |

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

