

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG022222\  
 Data File : BG052454.D  
 Acq On : 22 Feb 2022 18:39  
 Operator : CG/JU  
 Sample : SSTDICV020  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SICV413

Manual Integrations  
 APPROVED

Reviewed By :Jagrut  
 Upadhyay

Quant Time: Feb 23 03:36:14 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG022222.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Feb 22 17:32:12 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.222  | 152  | 25010    | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 11.059 | 136  | 103114   | 20.000 | ng/u1  | # 0.00   |
| 38) Acenaphthene-d10          | 14.866 | 164  | 76973    | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.615 | 188  | 192308   | 20.000 | ng/u1  | # 0.00   |
| 79) Chrysene-d12              | 21.933 | 240  | 190138   | 20.000 | ng/u1  | # 0.00   |
| 88) Perylene-d12              | 25.399 | 264  | 193029   | 20.000 | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.540  | 96   | 4244     | 6.657  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.975  | 84   | 36519    | 18.987 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 7.370  | 99   | 41294    | 17.412 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.529  | 67   | 28880    | 20.838 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.752  | 132  | 30430    | 18.268 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.927  | 113  | 33963    | 18.406 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 9.397  | 128  | 16122    | 18.340 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 10.125 | 143  | 18699    | 19.420 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.677 | 165  | 34255    | 19.078 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 11.188 | 131  | 45807    | 18.409 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 14.261 | 166  | 120219   | 19.212 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.566 | 160  | 150008   | 19.419 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 15.054 | 143  | 18643m   | 18.742 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.859 | 176  | 106106   | 19.303 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.970 | 200  | 21281    | 17.453 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.715 | 188  | 175904   | 18.934 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.994 | 212  | 214262   | 19.258 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 25.152 | 264  | 195287   | 18.858 | ng/u1  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.581  | 88   | 4886     | 6.587  | ng/uL# | 85       |
| 5) Pyridine                   | 3.998  | 79   | 30326    | 15.617 | ng/u1  | 94       |
| 6) Benzaldehyde               | 7.341  | 77   | 30482    | 22.634 | ng/u1  | 94       |
| 8) Phenol                     | 7.399  | 94   | 42699    | 17.802 | ng/u1  | 95       |
| 10) Bis(2-Chloroethyl)ether   | 7.623  | 93   | 31300    | 17.642 | ng/u1  | 99       |
| 12) 2-Chlorophenol            | 7.781  | 128  | 30056    | 17.319 | ng/u1  | 93       |
| 13) 2-Methylphenol            | 8.662  | 108  | 30949    | 17.045 | ng/u1  | 96       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.745  | 45   | 42735    | 17.600 | ng/u1  | 95       |
| 16) Acetophenone              | 9.050  | 105  | 49293    | 17.339 | ng/u1  | 96       |
| 17) N-Nitroso-di-n-propyla... | 9.027  | 70   | 29340    | 17.530 | ng/u1  | 97       |
| 18) 4-Methylphenol            | 8.991  | 108  | 34319    | 17.773 | ng/u1  | 90       |
| 19) Hexachloroethane          | 9.326  | 117  | 12080    | 17.804 | ng/u1# | 73       |
| 22) Nitrobenzene              | 9.438  | 77   | 43049    | 19.104 | ng/u1# | 97       |
| 23) Isophorone                | 9.961  | 82   | 84466    | 19.429 | ng/u1  | 97       |
| 25) 2-Nitrophenol             | 10.160 | 139  | 18564    | 18.347 | ng/u1  | 97       |
| 26) 2,4-Dimethylphenol        | 10.213 | 107  | 39953    | 19.198 | ng/u1  | 97       |
| 27) Bis(2-Chloroethoxy)met... | 10.442 | 93   | 44752    | 19.020 | ng/u1  | 98       |
| 29) 2,4-Dichlorophenol        | 10.707 | 162  | 32010    | 18.845 | ng/u1  | 99       |
| 30) Naphthalene               | 11.112 | 128  | 106343   | 18.537 | ng/u1  | 99       |
| 32) 4-Chloroaniline           | 11.212 | 127  | 47692    | 18.684 | ng/u1  | 100      |
| 33) Hexachlorobutadiene       | 11.400 | 225  | 24541    | 18.310 | ng/u1  | 96       |
| 34) Caprolactam               | 11.970 | 113  | 12610    | 19.955 | ng/u1# | 75       |
| 35) 4-Chloro-3-methylphenol   | 12.322 | 107  | 37712    | 19.878 | ng/u1  | 94       |
| 36) 2-Methylnaphthalene       | 12.710 | 142  | 80542    | 19.594 | ng/u1  | 95       |

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| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 37) 1-Methylnaphthalene       | 12.927 | 142  | 75449    | 18.036 | ng/ul  | 100      |
| 39) 1,2,4,5-Tetrachloroben... | 13.074 | 216  | 47964    | 17.756 | ng/ul  | 97       |
| 40) Hexachlorocyclopentadiene | 13.057 | 237  | 20218    | 15.461 | ng/ul  | 98       |
| 41) 2,4,6-Trichlorophenol     | 13.309 | 196  | 30526    | 18.842 | ng/ul  | 95       |
| 42) 2,4,5-Trichlorophenol     | 13.385 | 196  | 31331    | 18.144 | ng/ul  | 96       |
| 43) 1,1'-Biphenyl             | 13.703 | 154  | 108180   | 17.676 | ng/ul# | 91       |
| 44) 2-Chloronaphthalene       | 13.750 | 162  | 88361    | 18.984 | ng/ul  | 99       |
| 45) 2-Nitroaniline            | 13.944 | 65   | 29292    | 19.269 | ng/ul  | 92       |
| 47) Dimethylphthalate         | 14.308 | 163  | 116823   | 19.099 | ng/ul  | 99       |
| 48) 2,6-Dinitrotoluene        | 14.425 | 165  | 26050    | 19.448 | ng/ul  | 86       |
| 50) Acenaphthylene            | 14.590 | 152  | 147580   | 19.118 | ng/ul  | 97       |
| 51) 3-Nitroaniline            | 14.760 | 138  | 27040    | 24.788 | ng/ul# | 93       |
| 52) Acenaphthene              | 14.930 | 153  | 94505    | 18.616 | ng/ul  | 95       |
| 53) 2,4-Dinitrophenol         | 14.977 | 184  | 10353    | 15.631 | ng/ul# | 82       |
| 55) 4-Nitrophenol             | 15.071 | 109  | 17738m   | 18.386 | ng/ul  |          |
| 56) Dibenzofuran              | 15.265 | 168  | 137426   | 18.831 | ng/ul  | 99       |
| 57) 2,4-Dinitrotoluene        | 15.218 | 165  | 37818    | 19.491 | ng/ul# | 84       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.494 | 232  | 31203    | 19.938 | ng/ul# | 84       |
| 59) Diethylphthalate          | 15.659 | 149  | 118968   | 19.241 | ng/ul  | 97       |
| 61) Fluorene                  | 15.911 | 166  | 116055   | 18.905 | ng/ul  | 98       |
| 62) 4-Chlorophenyl-phenyle... | 15.894 | 204  | 62753    | 18.783 | ng/ul  | 97       |
| 63) 4-Nitroaniline            | 15.923 | 138  | 27759    | 26.504 | ng/ul  | 92       |
| 66) 4,6-Dinitro-2-methylph... | 15.988 | 198  | 20897    | 17.683 | ng/ul# | 88       |
| 67) N-Nitrosodiphenylamine    | 16.105 | 169  | 103582   | 19.117 | ng/ul  | 94       |
| 68) 4-Bromophenyl-phenylether | 16.793 | 248  | 43829    | 18.989 | ng/ul# | 87       |
| 69) Hexachlorobenzene         | 16.928 | 284  | 49864    | 18.828 | ng/ul# | 81       |
| 70) Atrazine                  | 17.045 | 200  | 43739    | 18.316 | ng/ul  | 97       |
| 71) Pentachlorophenol         | 17.274 | 266  | 18096m   | 15.170 | ng/ul  |          |
| 72) Phenanthrene              | 17.656 | 178  | 195925   | 18.916 | ng/ul  | 97       |
| 74) Anthracene                | 17.750 | 178  | 195405   | 18.745 | ng/ul  | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 13.673 | 216  | 48368    | 15.899 | ng/ul  | 98       |
| 76) Pentachlorobenzene        | 15.189 | 250  | 54652    | 18.817 | ng/ul  | 99       |
| 77) Carbazole                 | 18.015 | 167  | 180116   | 19.453 | ng/ul  | 97       |
| 78) Di-n-butylphthalate       | 18.555 | 149  | 210378   | 19.105 | ng/ul  | 99       |
| 80) Fluoranthene              | 19.665 | 202  | 246318   | 18.752 | ng/ul# | 91       |
| 82) Pyrene                    | 20.024 | 202  | 247170   | 18.949 | ng/ul# | 91       |
| 83) Butylbenzylphthalate      | 20.893 | 149  | 86749    | 18.396 | ng/ul# | 89       |
| 84) 3,3'-Dichlorobenzidine    | 21.809 | 252  | 94496    | 22.498 | ng/ul# | 97       |
| 85) Benzo(a)anthracene        | 21.909 | 228  | 249019   | 19.328 | ng/ul  | 98       |
| 86) Bis(2-ethylhexyl)phtha... | 21.786 | 149  | 124412   | 18.822 | ng/ul# | 99       |
| 87) Chrysene                  | 21.980 | 228  | 229488   | 18.580 | ng/ul  | 98       |
| 89) Di-n-octyl phthalate      | 23.078 | 149  | 206963   | 18.542 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 24.288 | 252  | 252208   | 18.740 | ng/ul# | 96       |
| 91) Benzo(k)fluoranthene      | 24.359 | 252  | 239737   | 19.313 | ng/ul# | 97       |
| 93) Benzo(a)pyrene            | 25.228 | 252  | 233053   | 18.408 | ng/ul# | 95       |
| 94) Indeno(1,2,3-cd)pyrene    | 29.381 | 276  | 257644m  | 17.896 | ng/ul  |          |
| 95) Dibenzo(a,h)anthracene    | 29.446 | 278  | 223938   | 18.222 | ng/ul# | 94       |
| 96) Benzo(g,h,i)perylene      | 30.633 | 276  | 219005   | 18.118 | ng/ul# | 89       |

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

