

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG030223\  
 Data File : BG056798.D  
 Acq On : 2 Mar 2023 20:12  
 Operator : CG/JU  
 Sample : 01710-12MS  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 DBAB0MS

Quant Time: Mar 03 01:00:24 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG022323.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Mar 02 00:12:28 2023  
 Response via : Initial Calibration

### Manual Integrations APPROVED

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

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.420  | 152  | 16290    | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 11.258 | 136  | 68177    | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 15.024 | 164  | 53480    | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.756 | 188  | 129204   | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 22.069 | 240  | 119798   | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 25.588 | 264  | 130431   | 20.000 | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.702  | 96   | 2146     | 7.308  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 4.137  | 84   | 21619    | 18.239 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 7.539  | 99   | 57355    | 35.184 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.721  | 67   | 34090    | 34.284 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.938  | 132  | 38084    | 35.180 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 9.107  | 113  | 42933    | 34.469 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 9.595  | 128  | 20907    | 36.592 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 10.318 | 143  | 25596    | 37.635 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.864 | 165  | 50209    | 39.187 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 11.375 | 131  | 47151    | 28.215 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 14.407 | 166  | 160438   | 37.182 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.724 | 160  | 184786   | 37.680 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 15.188 | 143  | 24603    | 33.071 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 16.005 | 176  | 147060   | 36.844 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 16.111 | 200  | 33760    | 39.055 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.856 | 188  | 225608   | 35.993 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 20.112 | 212  | 272628   | 33.631 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 25.347 | 264  | 266886   | 37.909 | ng/u1  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.737  | 88   | 5641     | 15.580 | ng/uL  | 89       |
| 5) Pyridine                   | 4.160  | 79   | 29326    | 23.362 | ng/u1  | 86       |
| 6) Benzaldehyde               | 7.539  | 77   | 41808    | 48.954 | ng/u1  | 97       |
| 8) Phenol                     | 7.568  | 94   | 66989    | 40.288 | ng/u1  | 97       |
| 10) Bis(2-Chloroethyl)ether   | 7.815  | 93   | 45104    | 38.178 | ng/u1  | 99       |
| 12) 2-Chlorophenol            | 7.973  | 128  | 40711    | 37.975 | ng/u1  | 91       |
| 13) 2-Methylphenol            | 8.843  | 108  | 48089    | 38.343 | ng/u1  | 98       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.937  | 45   | 60938    | 38.385 | ng/u1  | 99       |
| 16) Acetophenone              | 9.242  | 105  | 86360    | 40.488 | ng/u1  | 97       |
| 17) N-Nitroso-di-n-propyla... | 9.225  | 70   | 47347    | 38.687 | ng/u1  | 95       |
| 18) 4-Methylphenol            | 9.172  | 108  | 53535    | 39.283 | ng/u1  | 99       |
| 19) Hexachloroethane          | 9.519  | 117  | 17319    | 37.990 | ng/u1# | 87       |
| 22) Nitrobenzene              | 9.636  | 77   | 72795    | 43.937 | ng/u1  | 99       |
| 23) Isophorone                | 10.159 | 82   | 130834   | 40.392 | ng/u1  | 97       |
| 25) 2-Nitrophenol             | 10.353 | 139  | 27294    | 40.656 | ng/u1# | 87       |
| 26) 2,4-Dimethylphenol        | 10.388 | 107  | 59829    | 39.905 | ng/u1  | 94       |
| 27) Bis(2-Chloroethoxy)met... | 10.635 | 93   | 66663    | 40.717 | ng/u1  | 96       |
| 29) 2,4-Dichlorophenol        | 10.888 | 162  | 53609    | 43.208 | ng/u1  | 99       |
| 30) Naphthalene               | 11.311 | 128  | 151623   | 40.404 | ng/u1  | 97       |
| 32) 4-Chloroaniline           | 11.405 | 127  | 53545    | 32.346 | ng/u1  | 92       |
| 33) Hexachlorobutadiene       | 11.587 | 225  | 42627    | 43.108 | ng/u1  | 97       |
| 34) Caprolactam               | 12.151 | 113  | 17233m   | 40.856 | ng/u1  |          |
| 35) 4-Chloro-3-methylphenol   | 12.486 | 107  | 59957    | 42.064 | ng/u1  | 91       |
| 36) 2-Methylnaphthalene       | 12.879 | 142  | 109616   | 40.786 | ng/u1  | 98       |

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| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 37) 1-Methylnaphthalene       | 13.097 | 142  | 114268   | 43.122 | ng/ul  | 99       |
| 39) 1,2,4,5-Tetrachloroben... | 13.238 | 216  | 82842    | 43.691 | ng/ul  | 98       |
| 40) Hexachlorocyclopentadiene | 13.214 | 237  | 51755    | 38.093 | ng/ul  | 95       |
| 41) 2,4,6-Trichlorophenol     | 13.467 | 196  | 55708    | 43.971 | ng/ul  | 97       |
| 42) 2,4,5-Trichlorophenol     | 13.537 | 196  | 61351    | 44.597 | ng/ul  | 91       |
| 43) 1,1'-Biphenyl             | 13.861 | 154  | 160987   | 40.936 | ng/ul  | 97       |
| 44) 2-Chloronaphthalene       | 13.913 | 162  | 134464   | 41.325 | ng/ul  | 94       |
| 45) 2-Nitroaniline            | 14.102 | 65   | 48662    | 43.087 | ng/ul  | 92       |
| 47) Dimethylphthalate         | 14.460 | 163  | 180090   | 41.041 | ng/ul# | 99       |
| 48) 2,6-Dinitrotoluene        | 14.583 | 165  | 38139    | 42.400 | ng/ul  | 89       |
| 50) Acenaphthylene            | 14.754 | 152  | 199888   | 40.347 | ng/ul  | 98       |
| 51) 3-Nitroaniline            | 14.912 | 138  | 31900    | 39.625 | ng/ul# | 99       |
| 52) Acenaphthene              | 15.089 | 153  | 138931   | 40.821 | ng/ul  | 97       |
| 53) 2,4-Dinitrophenol         | 15.112 | 184  | 25492    | 44.238 | ng/ul# | 87       |
| 55) 4-Nitrophenol             | 15.200 | 109  | 36775    | 42.706 | ng/ul  | 95       |
| 56) Dibenzofuran              | 15.418 | 168  | 207510   | 40.165 | ng/ul  | 96       |
| 57) 2,4-Dinitrotoluene        | 15.365 | 165  | 53815    | 41.731 | ng/ul# | 98       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.635 | 232  | 54054    | 42.223 | ng/ul  | 97       |
| 59) Diethylphthalate          | 15.805 | 149  | 174942   | 39.829 | ng/ul  | 99       |
| 61) Fluorene                  | 16.064 | 166  | 167911   | 40.589 | ng/ul  | 99       |
| 62) 4-Chlorophenyl-phenyle... | 16.040 | 204  | 102605   | 41.874 | ng/ul  | 99       |
| 63) 4-Nitroaniline            | 16.070 | 138  | 32619    | 41.469 | ng/ul  | 85       |
| 66) 4,6-Dinitro-2-methylph... | 16.123 | 198  | 35456    | 42.605 | ng/ul  | 96       |
| 67) N-Nitrosodiphenylamine    | 16.252 | 169  | 148042   | 41.204 | ng/ul  | 99       |
| 68) 4-Bromophenyl-phenylether | 16.933 | 248  | 69261    | 42.300 | ng/ul  | 97       |
| 69) Hexachlorobenzene         | 17.063 | 284  | 75974    | 43.190 | ng/ul  | 95       |
| 70) Atrazine                  | 17.186 | 200  | 63557    | 40.730 | ng/ul  | 100      |
| 71) Pentachlorophenol         | 17.398 | 266  | 40946    | 40.993 | ng/ul  | 99       |
| 72) Phenanthrene              | 17.797 | 178  | 289210   | 41.323 | ng/ul  | 98       |
| 74) Anthracene                | 17.891 | 178  | 280834   | 39.707 | ng/ul  | 98       |
| 75) 1,2,3,4-Tetrachloroben... | 13.837 | 216  | 87100    | 44.066 | ng/uL  | 97       |
| 76) Pentachlorobenzene        | 15.335 | 250  | 87065    | 43.430 | ng/uL  | 95       |
| 77) Carbazole                 | 18.150 | 167  | 242694   | 41.011 | ng/ul  | 99       |
| 78) Di-n-butylphthalate       | 18.678 | 149  | 279032   | 40.911 | ng/ul  | 99       |
| 80) Fluoranthene              | 19.783 | 202  | 363276   | 37.062 | ng/ul# | 97       |
| 82) Pyrene                    | 20.141 | 202  | 350424   | 36.289 | ng/ul  | 99       |
| 83) Butylbenzylphthalate      | 20.999 | 149  | 121720   | 39.734 | ng/ul  | 90       |
| 84) 3,3'-Dichlorobenzidine    | 21.939 | 252  | 79782    | 26.562 | ng/ul  | 95       |
| 85) Benzo(a)anthracene        | 22.045 | 228  | 361033   | 41.407 | ng/ul  | 98       |
| 86) Bis(2-ethylhexyl)phtha... | 21.904 | 149  | 177069   | 41.147 | ng/ul  | 99       |
| 87) Chrysene                  | 22.116 | 228  | 337417   | 41.550 | ng/ul  | 98       |
| 89) Di-n-octyl phthalate      | 23.220 | 149  | 299243   | 42.201 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 24.460 | 252  | 375585   | 43.014 | ng/ul  | 99       |
| 91) Benzo(k)fluoranthene      | 24.542 | 252  | 351861   | 41.372 | ng/ul  | 98       |
| 93) Benzo(a)pyrene            | 25.424 | 252  | 315032   | 41.046 | ng/ul  | 99       |
| 94) Indeno(1,2,3-cd)pyrene    | 29.666 | 276  | 448710   | 43.036 | ng/ul  | 96       |
| 95) Dibenzo(a,h)anthracene    | 29.730 | 278  | 371641   | 42.631 | ng/ul  | 95       |
| 96) Benzo(g,h,i)perylene      | 30.941 | 276  | 345783   | 41.518 | ng/ul  | 96       |

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

