

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG032322\  
 Data File : BG052793.D  
 Acq On : 23 Mar 2022 11:58  
 Operator : CG/JU  
 Sample : N1820-04MS  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 DBRZ5MS

Quant Time: Mar 23 13:28:53 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG031822.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Mar 23 13:16:32 2022  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 03/23/2022  
 Supervised By :mohammad ahmed 03/25/2022

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.142  | 152  | 28900    | 20.000 | ng/ul  | 0.00     |
| 20) Naphthalene-d8            | 10.956 | 136  | 123570   | 20.000 | ng/ul  | 0.00     |
| 38) Acenaphthene-d10          | 14.763 | 164  | 98906    | 20.000 | ng/ul  | 0.00     |
| 64) Phenanthrene-d10          | 17.506 | 188  | 239470   | 20.000 | ng/ul  | 0.00     |
| 79) Chrysene-d12              | 21.800 | 240  | 226912   | 20.000 | ng/ul  | # 0.00   |
| 88) Perylene-d12              | 25.113 | 264  | 241550   | 20.000 | ng/ul  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.554  | 96   | 4101     | 5.012  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.971  | 84   | 61312    | 30.017 | ng/ul  | 0.00     |
| 7) Phenol-d5                  | 7.285  | 99   | 95206    | 36.781 | ng/ul  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.461  | 67   | 58783    | 37.183 | ng/ul  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.672  | 132  | 64000    | 36.414 | ng/ul  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.841  | 113  | 71223    | 37.985 | ng/ul  | 0.00     |
| 21) Nitrobenzene-d5           | 9.305  | 128  | 33679    | 37.863 | ng/ul  | 0.00     |
| 24) 2-Nitrophenol-d4          | 10.028 | 143  | 39569    | 42.175 | ng/ul  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.568 | 165  | 76668    | 37.563 | ng/ul  | 0.00     |
| 31) 4-Chloroaniline-d4        | 11.080 | 131  | 88934    | 32.968 | ng/ul  | 0.00     |
| 46) Dimethylphthalate-d6      | 14.164 | 166  | 273954   | 36.054 | ng/ul  | 0.00     |
| 49) Acenaphthylene-d8         | 14.457 | 160  | 315198   | 34.138 | ng/ul  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.939 | 143  | 46496    | 36.395 | ng/ul  | 0.00     |
| 60) Fluorene-d10              | 15.756 | 176  | 237081   | 35.535 | ng/ul  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.861 | 200  | 46119    | 37.844 | ng/ul  | 0.00     |
| 73) Anthracene-d10            | 17.606 | 188  | 380650   | 34.135 | ng/ul  | 0.00     |
| 81) Pyrene-d10                | 19.885 | 212  | 461417   | 36.349 | ng/ul  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.884 | 264  | 449312   | 36.000 | ng/ul  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.590  | 88   | 12237    | 12.207 | ng/uL  | 91       |
| 5) Pyridine                   | 3.989  | 79   | 79912    | 36.208 | ng/ul  | 92       |
| 6) Benzaldehyde               | 7.273  | 77   | 70007    | 40.683 | ng/ul  | 97       |
| 8) Phenol                     | 7.314  | 94   | 103407   | 41.451 | ng/ul  | 96       |
| 10) Bis(2-Chloroethyl)ether   | 7.555  | 93   | 74521    | 39.597 | ng/ul  | 97       |
| 12) 2-Chlorophenol            | 7.702  | 128  | 71192    | 39.645 | ng/ul  | 96       |
| 13) 2-Methylphenol            | 8.577  | 108  | 79945    | 41.233 | ng/ul  | 99       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.671  | 45   | 128559   | 42.026 | ng/ul  | 96       |
| 16) Acetophenone              | 8.965  | 105  | 121351   | 41.485 | ng/ul  | 94       |
| 17) N-Nitroso-di-n-propyla... | 8.947  | 70   | 73495    | 43.098 | ng/ul  | 99       |
| 18) 4-Methylphenol            | 8.900  | 108  | 84496    | 41.829 | ng/ul  | 99       |
| 19) Hexachloroethane          | 9.235  | 117  | 31157    | 39.105 | ng/ul  | 95       |
| 22) Nitrobenzene              | 9.347  | 77   | 105106   | 40.440 | ng/ul  | 94       |
| 23) Isophorone                | 9.869  | 82   | 203863   | 41.035 | ng/ul  | 98       |
| 25) 2-Nitrophenol             | 10.057 | 139  | 42404    | 43.585 | ng/ul# | 92       |
| 26) 2,4-Dimethylphenol        | 10.110 | 107  | 92065    | 38.190 | ng/ul  | 97       |
| 27) Bis(2-Chloroethoxy)met... | 10.351 | 93   | 108233   | 39.177 | ng/ul  | 99       |
| 29) 2,4-Dichlorophenol        | 10.598 | 162  | 80233    | 40.431 | ng/ul  | 98       |
| 30) Naphthalene               | 11.009 | 128  | 242388   | 37.904 | ng/ul  | 98       |
| 32) 4-Chloroaniline           | 11.103 | 127  | 96635    | 36.456 | ng/ul  | 100      |
| 33) Hexachlorobutadiene       | 11.297 | 225  | 62635    | 38.647 | ng/ul  | 98       |
| 34) Caprolactam               | 11.867 | 113  | 29159    | 48.787 | ng/ul# | 72       |
| 35) 4-Chloro-3-methylphenol   | 12.213 | 107  | 96609    | 44.879 | ng/ul  | 90       |
| 36) 2-Methylnaphthalene       | 12.601 | 142  | 179459   | 39.766 | ng/ul  | 98       |

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| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 37) 1-Methylnaphthalene       | 12.818 | 142  | 182927   | 40.039 | ng/ul  | 98       |
| 39) 1,2,4,5-Tetrachloroben... | 12.971 | 216  | 115174   | 35.230 | ng/ul  | 97       |
| 40) Hexachlorocyclopentadiene | 12.953 | 237  | 69095    | 30.529 | ng/ul  | 98       |
| 41) 2,4,6-Trichlorophenol     | 13.200 | 196  | 76773    | 38.431 | ng/ul  | 98       |
| 42) 2,4,5-Trichlorophenol     | 13.271 | 196  | 85023    | 39.412 | ng/ul  | 98       |
| 43) 1,1'-Biphenyl             | 13.600 | 154  | 253794   | 35.909 | ng/ul  | 97       |
| 44) 2-Chloronaphthalene       | 13.647 | 162  | 198611   | 35.094 | ng/ul  | 96       |
| 45) 2-Nitroaniline            | 13.835 | 65   | 75397    | 45.448 | ng/ul  | 94       |
| 47) Dimethylphthalate         | 14.211 | 163  | 277392   | 38.255 | ng/ul  | 98       |
| 48) 2,6-Dinitrotoluene        | 14.328 | 165  | 56329    | 42.883 | ng/ul  | 93       |
| 50) Acenaphthylene            | 14.487 | 152  | 324730   | 36.416 | ng/ul  | 98       |
| 51) 3-Nitroaniline            | 14.651 | 138  | 54111    | 40.812 | ng/ul  | 97       |
| 52) Acenaphthene              | 14.827 | 153  | 216060   | 37.088 | ng/ul  | 99       |
| 53) 2,4-Dinitrophenol         | 14.857 | 184  | 35230    | 43.173 | ng/ul# | 71       |
| 55) 4-Nitrophenol             | 14.951 | 109  | 59028    | 43.903 | ng/ul  | 93       |
| 56) Dibenzofuran              | 15.162 | 168  | 324734   | 37.600 | ng/ul  | 99       |
| 57) 2,4-Dinitrotoluene        | 15.109 | 165  | 79961    | 42.904 | ng/ul# | 84       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.385 | 232  | 82759    | 42.560 | ng/ul# | 99       |
| 59) Diethylphthalate          | 15.573 | 149  | 298046   | 40.585 | ng/ul  | 99       |
| 61) Fluorene                  | 15.808 | 166  | 268079   | 37.448 | ng/ul  | 96       |
| 62) 4-Chlorophenyl-phenyle... | 15.797 | 204  | 147312   | 38.672 | ng/ul  | 97       |
| 63) 4-Nitroaniline            | 15.814 | 138  | 57446    | 44.059 | ng/ul  | 88       |
| 66) 4,6-Dinitro-2-methylph... | 15.873 | 198  | 50406    | 42.274 | ng/ul  | 92       |
| 67) N-Nitrosodiphenylamine    | 16.008 | 169  | 242073   | 37.388 | ng/ul  | 97       |
| 68) 4-Bromophenyl-phenylether | 16.695 | 248  | 105713   | 44.584 | ng/ul  | 96       |
| 69) Hexachlorobenzene         | 16.819 | 284  | 117861   | 38.481 | ng/ul  | 93       |
| 70) Atrazine                  | 16.954 | 200  | 106625   | 40.183 | ng/ul  | 97       |
| 71) Pentachlorophenol         | 17.154 | 266  | 72408    | 38.876 | ng/ul  | 94       |
| 72) Phenanthrene              | 17.553 | 178  | 473355   | 37.663 | ng/ul  | 98       |
| 74) Anthracene                | 17.641 | 178  | 459307   | 36.554 | ng/ul  | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 13.570 | 216  | 124098   | 34.795 | ng/ul  | 99       |
| 76) Pentachlorobenzene        | 15.086 | 250  | 130935   | 38.265 | ng/ul  | 98       |
| 77) Carbazole                 | 17.906 | 167  | 417692   | 37.614 | ng/ul  | 97       |
| 78) Di-n-butylphthalate       | 18.464 | 149  | 502151   | 38.027 | ng/ul  | 98       |
| 80) Fluoranthene              | 19.556 | 202  | 588838   | 39.364 | ng/ul  | 99       |
| 82) Pyrene                    | 19.921 | 202  | 575263   | 38.690 | ng/ul  | 96       |
| 83) Butylbenzylphthalate      | 20.796 | 149  | 214831   | 41.558 | ng/ul  | 95       |
| 84) 3,3'-Dichlorobenzidine    | 21.683 | 252  | 179292   | 35.253 | ng/ul  | 93       |
| 85) Benzo(a)anthracene        | 21.777 | 228  | 548534   | 37.455 | ng/ul  | 98       |
| 86) Bis(2-ethylhexyl)phtha... | 21.677 | 149  | 296732   | 41.443 | ng/ul  | 100      |
| 87) Chrysene                  | 21.847 | 228  | 529421   | 37.900 | ng/ul  | 99       |
| 89) Di-n-octyl phthalate      | 22.928 | 149  | 514054   | 40.858 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 24.056 | 252  | 585248   | 37.522 | ng/ul  | 100      |
| 91) Benzo(k)fluoranthene      | 24.127 | 252  | 548387   | 38.096 | ng/ul  | 99       |
| 93) Benzo(a)pyrene            | 24.961 | 252  | 551572   | 37.456 | ng/ul  | 98       |
| 94) Indeno(1,2,3-cd)pyrene    | 28.908 | 276  | 647831   | 38.899 | ng/ul  | 99       |
| 95) Dibenzo(a,h)anthracene    | 28.973 | 278  | 546616   | 38.617 | ng/ul  | 99       |
| 96) Benzo(g,h,i)perylene      | 30.089 | 276  | 542934m  | 38.566 | ng/ul  |          |

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

