

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG010622\  
 Data File : BG051897.D  
 Acq On : 6 Jan 2022 17:41  
 Operator : CG/JU  
 Sample : PB141855BS  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SLCS855

Quant Time: Jan 06 23:57:26 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG010622.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Jan 06 14:43:02 2022  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 01/07/2022  
 Supervised By :mohammad ahmed 01/12/2022

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.249  | 152  | 18491    | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 11.086 | 136  | 81468    | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.887 | 164  | 61701    | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.636 | 188  | 163202   | 20.000 | ng/u1  | # 0.00   |
| 79) Chrysene-d12              | 21.959 | 240  | 167364   | 20.000 | ng/u1  | # 0.00   |
| 88) Perylene-d12              | 25.449 | 264  | 172768   | 20.000 | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.573  | 96   | 3877     | 7.492  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 4.001  | 84   | 66851    | 41.558 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 7.385  | 99   | 79565    | 43.964 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.549  | 67   | 48588    | 42.292 | ng/u1  | -0.01    |
| 11) 2-Chlorophenol-d4         | 7.773  | 132  | 51721    | 43.165 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.948  | 113  | 61641    | 43.815 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 9.423  | 128  | 26742    | 41.542 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 10.146 | 143  | 30477    | 42.807 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.698 | 165  | 60250    | 43.295 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 11.209 | 131  | 72886    | 37.609 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 14.282 | 166  | 218927   | 42.926 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.587 | 160  | 261166   | 42.393 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 15.063 | 143  | 38547    | 45.207 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.879 | 176  | 189814   | 42.687 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.985 | 200  | 43194    | 41.954 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.736 | 188  | 330828   | 42.732 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 20.015 | 212  | 430445   | 44.689 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 25.208 | 264  | 403991   | 44.418 | ng/u1  | 0.01     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.608  | 88   | 8847     | 14.817 | ng/uL  | 90       |
| 5) Pyridine                   | 4.019  | 79   | 65060    | 38.604 | ng/u1  | 97       |
| 6) Benzaldehyde               | 7.367  | 77   | 48307    | 40.126 | ng/u1  | 95       |
| 8) Phenol                     | 7.414  | 94   | 75700    | 40.981 | ng/u1# | 88       |
| 10) Bis(2-Chloroethyl)ether   | 7.643  | 93   | 54981    | 40.661 | ng/u1  | 97       |
| 12) 2-Chlorophenol            | 7.808  | 128  | 52573    | 43.130 | ng/u1  | 97       |
| 13) 2-Methylphenol            | 8.683  | 108  | 56154    | 41.804 | ng/u1  | 99       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.777  | 45   | 87898    | 42.618 | ng/u1  | 96       |
| 16) Acetophenone              | 9.077  | 105  | 92271    | 41.556 | ng/u1  | 97       |
| 17) N-Nitroso-di-n-propyla... | 9.053  | 70   | 57044    | 42.053 | ng/u1  | 92       |
| 18) 4-Methylphenol            | 9.012  | 108  | 61061    | 41.964 | ng/u1  | 92       |
| 19) Hexachloroethane          | 9.353  | 117  | 20817    | 39.556 | ng/u1  | 87       |
| 22) Nitrobenzene              | 9.459  | 77   | 82650    | 41.393 | ng/u1  | 94       |
| 23) Isophorone                | 9.987  | 82   | 156653   | 41.498 | ng/u1  | 97       |
| 25) 2-Nitrophenol             | 10.187 | 139  | 32675    | 41.760 | ng/u1  | 98       |
| 26) 2,4-Dimethylphenol        | 10.234 | 107  | 72766    | 42.859 | ng/u1  | 96       |
| 27) Bis(2-Chloroethoxy)met... | 10.469 | 93   | 78961    | 40.626 | ng/u1  | 99       |
| 29) 2,4-Dichlorophenol        | 10.728 | 162  | 56016    | 40.986 | ng/u1  | 95       |
| 30) Naphthalene               | 11.139 | 128  | 176890   | 40.069 | ng/u1  | 96       |
| 32) 4-Chloroaniline           | 11.233 | 127  | 73335    | 37.131 | ng/u1  | 99       |
| 33) Hexachlorobutadiene       | 11.427 | 225  | 44487    | 40.835 | ng/u1  | 95       |
| 34) Caprolactam               | 11.985 | 113  | 23399m   | 43.990 | ng/u1  |          |
| 35) 4-Chloro-3-methylphenol   | 12.349 | 107  | 70135    | 44.445 | ng/u1  | 99       |
| 36) 2-Methylnaphthalene       | 12.731 | 142  | 129123   | 41.062 | ng/u1  | 95       |

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## Manual Integrations

## APPROVED

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Quant Time: Jan 06 23:57:26 2022

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG010622.M

Quant Title : SVOA CALIBRATION

QLast Update : Thu Jan 06 14:43:02 2022

Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 37) 1-Methylnaphthalene       | 12.948 | 142  | 133777   | 41.452 | ng/ul# | 98       |
| 39) 1,2,4,5-Tetrachloroben... | 13.095 | 216  | 85154    | 39.909 | ng/ul  | 99       |
| 40) Hexachlorocyclopentadiene | 13.077 | 237  | 54182    | 37.008 | ng/ul  | 99       |
| 41) 2,4,6-Trichlorophenol     | 13.330 | 196  | 54957    | 40.752 | ng/ul  | 96       |
| 42) 2,4,5-Trichlorophenol     | 13.400 | 196  | 59243    | 40.751 | ng/ul  | 100      |
| 43) 1,1'-Biphenyl             | 13.723 | 154  | 187816   | 39.430 | ng/ul  | 98       |
| 44) 2-Chloronaphthalene       | 13.770 | 162  | 145882   | 39.545 | ng/ul  | 99       |
| 45) 2-Nitroaniline            | 13.964 | 65   | 62669    | 44.327 | ng/ul  | 94       |
| 47) Dimethylphthalate         | 14.329 | 163  | 204179   | 40.602 | ng/ul  | 99       |
| 48) 2,6-Dinitrotoluene        | 14.452 | 165  | 45764    | 43.161 | ng/ul  | 89       |
| 50) Acenaphthylene            | 14.616 | 152  | 248247   | 40.921 | ng/ul  | 97       |
| 51) 3-Nitroaniline            | 14.781 | 138  | 39103    | 40.769 | ng/ul  | 93       |
| 52) Acenaphthene              | 14.951 | 153  | 164993   | 40.905 | ng/ul  | 96       |
| 53) 2,4-Dinitrophenol         | 14.981 | 184  | 26031    | 41.641 | ng/ul  | 93       |
| 55) 4-Nitrophenol             | 15.080 | 109  | 43331    | 44.284 | ng/ul  | 86       |
| 56) Dibenzofuran              | 15.286 | 168  | 236401   | 40.354 | ng/ul  | 98       |
| 57) 2,4-Dinitrotoluene        | 15.233 | 165  | 65763    | 42.899 | ng/ul# | 91       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.509 | 232  | 56364    | 41.799 | ng/ul# | 90       |
| 59) Diethylphthalate          | 15.686 | 149  | 216385   | 41.706 | ng/ul  | 98       |
| 61) Fluorene                  | 15.938 | 166  | 197684   | 40.496 | ng/ul  | 97       |
| 62) 4-Chlorophenyl-phenyle... | 15.921 | 204  | 109695   | 40.494 | ng/ul  | 93       |
| 63) 4-Nitroaniline            | 15.938 | 138  | 42551    | 43.180 | ng/ul# | 86       |
| 66) 4,6-Dinitro-2-methylph... | 16.003 | 198  | 41123    | 41.779 | ng/ul  | 98       |
| 67) N-Nitrosodiphenylamine    | 16.132 | 169  | 178438   | 40.689 | ng/ul  | 94       |
| 68) 4-Bromophenyl-phenylether | 16.813 | 248  | 78111    | 40.884 | ng/ul# | 90       |
| 69) Hexachlorobenzene         | 16.949 | 284  | 84811    | 40.025 | ng/ul# | 90       |
| 70) Atrazine                  | 17.072 | 200  | 85495    | 42.022 | ng/ul  | 97       |
| 71) Pentachlorophenol         | 17.283 | 266  | 48879    | 41.305 | ng/ul  | 95       |
| 72) Phenanthrene              | 17.683 | 178  | 350510   | 40.988 | ng/ul  | 99       |
| 74) Anthracene                | 17.771 | 178  | 344044   | 40.191 | ng/ul  | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 13.694 | 216  | 87377    | 35.648 | ng/uL  | 95       |
| 76) Pentachlorobenzene        | 15.210 | 250  | 94640    | 39.672 | ng/uL  | 99       |
| 77) Carbazole                 | 18.035 | 167  | 323285   | 41.912 | ng/ul  | 99       |
| 78) Di-n-butylphthalate       | 18.582 | 149  | 383180   | 42.026 | ng/ul  | 99       |
| 80) Fluoranthene              | 19.686 | 202  | 476908   | 42.845 | ng/ul# | 91       |
| 82) Pyrene                    | 20.044 | 202  | 462537   | 42.205 | ng/ul# | 90       |
| 83) Butylbenzylphthalate      | 20.914 | 149  | 165400   | 43.367 | ng/ul  | 96       |
| 84) 3,3'-Dichlorobenzidine    | 21.836 | 252  | 149702   | 38.748 | ng/ul# | 98       |
| 85) Benzo(a)anthracene        | 21.936 | 228  | 463622   | 42.122 | ng/ul  | 100      |
| 86) Bis(2-ethylhexyl)phtha... | 21.818 | 149  | 233339   | 41.834 | ng/ul# | 99       |
| 87) Chrysene                  | 22.012 | 228  | 444497   | 41.939 | ng/ul  | 100      |
| 89) Di-n-octyl phthalate      | 23.128 | 149  | 396606   | 41.557 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 24.333 | 252  | 493278   | 43.082 | ng/ul# | 94       |
| 91) Benzo(k)fluoranthene      | 24.403 | 252  | 451060   | 42.608 | ng/ul# | 95       |
| 93) Benzo(a)pyrene            | 25.284 | 252  | 464612   | 42.878 | ng/ul# | 93       |
| 94) Indeno(1,2,3-cd)pyrene    | 29.467 | 276  | 535847   | 43.200 | ng/ul# | 91       |
| 95) Dibenzo(a,h)anthracene    | 29.537 | 278  | 451281   | 43.014 | ng/ul# | 94       |
| 96) Benzo(g,h,i)perylene      | 30.730 | 276  | 445526   | 42.719 | ng/ul# | 89       |

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

