

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG062724\  
 Data File : BG061735.D  
 Acq On : 27 Jun 2024 10:56  
 Operator : MA/JU  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSTD020540

Quant Time: Jun 27 23:23:21 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG062024.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Jun 27 12:23:53 2024  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Yogesh Patel 06/28/2024  
 Supervised By :mohammad ahmed 06/29/2024

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.059  | 152  | 66667    | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.868 | 136  | 311353   | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.687 | 164  | 209760   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.431 | 188  | 512411   | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.690 | 240  | 464642   | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 24.910 | 264  | 493851   | 20.000 | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.453  | 96   | 17046    | 9.237  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.870  | 84   | 121002   | 21.686 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 7.201  | 99   | 140519   | 19.416 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.378  | 67   | 92058    | 20.405 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.583  | 132  | 95933    | 19.316 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.752  | 113  | 110097   | 19.678 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 9.223  | 128  | 41146    | 19.463 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.945  | 143  | 40127    | 18.741 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.480 | 165  | 103125   | 20.340 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.997 | 131  | 152481   | 19.865 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 14.093 | 166  | 333426   | 20.656 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.381 | 160  | 380455   | 21.507 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.863 | 143  | 50898    | 18.360 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.674 | 176  | 296170   | 20.958 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.785 | 200  | 35708    | 16.297 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.530 | 188  | 485332   | 20.750 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.810 | 212  | 576076   | 22.196 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.687 | 264  | 499020   | 21.157 | ng/u1  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.488  | 88   | 19026    | 8.296  | ng/uL# | 89       |
| 5) Pyridine                   | 3.893  | 79   | 122537   | 20.429 | ng/u1  | 98       |
| 6) Benzaldehyde               | 7.195  | 77   | 86825    | 24.379 | ng/u1  | 91       |
| 8) Phenol                     | 7.231  | 94   | 148121   | 19.449 | ng/u1  | 95       |
| 10) Bis(2-Chloroethyl)ether   | 7.477  | 93   | 111899   | 19.521 | ng/u1  | 98       |
| 12) 2-Chlorophenol            | 7.613  | 128  | 98636    | 19.796 | ng/u1# | 92       |
| 13) 2-Methylphenol            | 8.488  | 108  | 103129   | 19.354 | ng/u1  | 98       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.576  | 45   | 241354   | 20.609 | ng/u1# | 95       |
| 16) Acetophenone              | 8.882  | 105  | 178703   | 19.397 | ng/u1  | 92       |
| 17) N-Nitroso-di-n-propyla... | 8.864  | 70   | 99654    | 20.136 | ng/u1  | 95       |
| 18) 4-Methylphenol            | 8.817  | 108  | 116509   | 19.517 | ng/u1  | 89       |
| 19) Hexachloroethane          | 9.146  | 117  | 40128    | 20.086 | ng/u1  | 92       |
| 22) Nitrobenzene              | 9.264  | 77   | 125022   | 20.528 | ng/u1  | 96       |
| 23) Isophorone                | 9.787  | 82   | 282454   | 20.167 | ng/u1  | 97       |
| 25) 2-Nitrophenol             | 9.975  | 139  | 42954    | 19.185 | ng/u1# | 84       |
| 26) 2,4-Dimethylphenol        | 10.027 | 107  | 129584   | 20.694 | ng/u1  | 92       |
| 27) Bis(2-Chloroethoxy)met... | 10.274 | 93   | 162470   | 20.506 | ng/u1  | 95       |
| 29) 2,4-Dichlorophenol        | 10.509 | 162  | 97655    | 21.023 | ng/u1  | 98       |
| 30) Naphthalene               | 10.921 | 128  | 357385   | 20.514 | ng/u1  | 99       |
| 32) 4-Chloroaniline           | 11.026 | 127  | 152266   | 20.001 | ng/u1  | 95       |
| 33) Hexachlorobutadiene       | 11.197 | 225  | 75534    | 23.541 | ng/u1  | 96       |
| 34) Caprolactam               | 11.772 | 113  | 36035m   | 18.761 | ng/u1  |          |
| 35) 4-Chloro-3-methylphenol   | 12.131 | 107  | 121760   | 18.745 | ng/u1  | 96       |
| 36) 2-Methylnaphthalene       | 12.519 | 142  | 248766   | 20.237 | ng/u1  | 97       |

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## Instrument :

BNA\_G

## ClientSampleId :

SSTD020540

## Manual Integrations

## APPROVED

Reviewed By :Yogesh Patel 06/28/2024

Supervised By :mohammad ahmed 06/29/2024

Quant Time: Jun 27 23:23:21 2024

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG062024.MA.M

Quant Title : SVOA CALIBRATION

QLast Update : Thu Jun 27 12:23:53 2024

Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 37) 1-Methylnaphthalene       | 12.736 | 142  | 258349   | 19.697 | ng/ul  | 96       |
| 39) 1,2,4,5-Tetrachloroben... | 12.883 | 216  | 131576   | 22.164 | ng/ul  | 98       |
| 40) Hexachlorocyclopentadiene | 12.859 | 237  | 66468    | 18.818 | ng/ul  | 97       |
| 41) 2,4,6-Trichlorophenol     | 13.118 | 196  | 79786    | 20.831 | ng/ul  | 87       |
| 42) 2,4,5-Trichlorophenol     | 13.188 | 196  | 82401    | 19.738 | ng/ul  | 88       |
| 43) 1,1'-Biphenyl             | 13.523 | 154  | 335032   | 22.049 | ng/ul  | 100      |
| 44) 2-Chloronaphthalene       | 13.564 | 162  | 247923   | 21.242 | ng/ul  | 96       |
| 45) 2-Nitroaniline            | 13.764 | 65   | 76081    | 19.042 | ng/ul  | 96       |
| 47) Dimethylphthalate         | 14.140 | 163  | 322188   | 20.100 | ng/ul  | 97       |
| 48) 2,6-Dinitrotoluene        | 14.258 | 165  | 46814    | 17.600 | ng/ul  | 95       |
| 50) Acenaphthylene            | 14.411 | 152  | 412710   | 20.900 | ng/ul  | 97       |
| 51) 3-Nitroaniline            | 14.587 | 138  | 57278    | 21.028 | ng/ul# | 89       |
| 52) Acenaphthene              | 14.751 | 153  | 291248   | 21.297 | ng/ul  | 97       |
| 53) 2,4-Dinitrophenol         | 14.787 | 184  | 20302    | 15.020 | ng/ul# | 86       |
| 55) 4-Nitrophenol             | 14.881 | 109  | 51844    | 18.109 | ng/ul  | 96       |
| 56) Dibenzofuran              | 15.086 | 168  | 398993   | 20.849 | ng/ul  | 95       |
| 57) 2,4-Dinitrotoluene        | 15.039 | 165  | 72401    | 18.337 | ng/ul  | 100      |
| 58) 2,3,4,6-Tetrachlorophenol | 15.304 | 232  | 76056    | 18.580 | ng/ul# | 96       |
| 59) Diethylphthalate          | 15.498 | 149  | 330193   | 20.001 | ng/ul  | 95       |
| 61) Fluorene                  | 15.733 | 166  | 330601   | 20.874 | ng/ul  | 99       |
| 62) 4-Chlorophenyl-phenyle... | 15.727 | 204  | 164230   | 20.889 | ng/ul  | 96       |
| 63) 4-Nitroaniline            | 15.744 | 138  | 62999    | 21.831 | ng/ul  | 91       |
| 66) 4,6-Dinitro-2-methylph... | 15.797 | 198  | 37655    | 15.172 | ng/ul  | 96       |
| 67) N-Nitrosodiphenylamine    | 15.938 | 169  | 276899   | 20.897 | ng/ul  | 93       |
| 68) 4-Bromophenyl-phenylether | 16.620 | 248  | 110994   | 21.038 | ng/ul  | 91       |
| 69) Hexachlorobenzene         | 16.725 | 284  | 131975   | 20.613 | ng/ul  | 92       |
| 70) Atrazine                  | 16.884 | 200  | 115488   | 21.820 | ng/ul  | 94       |
| 71) Pentachlorophenol         | 17.072 | 266  | 67729m   | 17.366 | ng/ul  |          |
| 72) Phenanthrene              | 17.472 | 178  | 561168   | 20.817 | ng/ul  | 98       |
| 74) Anthracene                | 17.566 | 178  | 579837   | 21.034 | ng/ul  | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 13.482 | 216  | 130509   | 22.861 | ng/ul  | 93       |
| 76) Pentachlorobenzene        | 14.998 | 250  | 145746   | 21.259 | ng/ul  | 94       |
| 77) Carbazole                 | 17.830 | 167  | 513460   | 21.936 | ng/ul  | 98       |
| 78) Di-n-butylphthalate       | 18.394 | 149  | 599508   | 21.415 | ng/ul  | 99       |
| 80) Fluoranthene              | 19.475 | 202  | 668768   | 22.208 | ng/ul  | 98       |
| 82) Pyrene                    | 19.839 | 202  | 697973   | 21.798 | ng/ul  | 97       |
| 83) Butylbenzylphthalate      | 20.727 | 149  | 268974   | 23.071 | ng/ul  | 99       |
| 84) 3,3'-Dichlorobenzidine    | 21.590 | 252  | 225946   | 22.998 | ng/ul  | 92       |
| 85) Benzo(a)anthracene        | 21.673 | 228  | 658460   | 20.189 | ng/ul  | 99       |
| 86) Bis(2-ethylhexyl)phtha... | 21.590 | 149  | 391902   | 22.868 | ng/ul  | 99       |
| 87) Chrysene                  | 21.737 | 228  | 619618   | 20.077 | ng/ul  | 99       |
| 89) Di-n-octyl phthalate      | 22.807 | 149  | 628443   | 24.127 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 23.888 | 252  | 614504   | 20.700 | ng/ul  | 95       |
| 91) Benzo(k)fluoranthene      | 23.958 | 252  | 641885   | 21.024 | ng/ul  | 99       |
| 93) Benzo(a)pyrene            | 24.763 | 252  | 585943   | 20.502 | ng/ul  | 99       |
| 94) Indeno(1,2,3-cd)pyrene    | 28.565 | 276  | 728404   | 20.452 | ng/ul  | 98       |
| 95) Dibenzo(a,h)anthracene    | 28.635 | 278  | 601996   | 20.328 | ng/ul  | 99       |
| 96) Benzo(g,h,i)perylene      | 29.710 | 276  | 586721   | 20.437 | ng/ul  | 99       |

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

