

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG092324\  
 Data File : BG063023.D  
 Acq On : 24 Sep 2024 12:13  
 Operator : RC/JU  
 Sample : SSTDCCC020EC  
 Misc :  
 ALS Vial : 30 Sample Multiplier: 1

## Instrument :

BNA\_G

## ClientSampleId :

SSTD020506

## Manual Integrations

## APPROVED

Reviewed By :Yogesh Patel 09/25/2024

Supervised By :mohammad ahmed 09/26/2024

Quant Time: Sep 24 13:44:28 2024

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG091724.MA.M

Quant Title : SVOA CALIBRATION

QLast Update : Wed Sep 18 00:45:18 2024

Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.859  | 152  | 27612    | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.644 | 136  | 123479   | 20.000 | ng/u1  | # 0.00   |
| 38) Acenaphthene-d10          | 14.493 | 164  | 101631   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.236 | 188  | 293050m  | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.490 | 240  | 318729m  | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 24.534 | 264  | 378954m  | 20.000 | ng/u1  | 0.02     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.323  | 96   | 4531     | 4.806  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.729  | 84   | 35282    | 13.786 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 7.031  | 99   | 61739    | 21.548 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.183  | 67   | 34030    | 21.224 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.389  | 132  | 43188    | 22.959 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.564  | 113  | 45204    | 21.537 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 9.011  | 128  | 19457    | 19.779 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.727  | 143  | 28160    | 25.233 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.268 | 165  | 55415    | 23.933 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.779 | 131  | 46422    | 16.110 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.893 | 166  | 154674   | 20.466 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.181 | 160  | 164229   | 19.456 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.698 | 143  | 24179    | 19.965 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.485 | 176  | 166488   | 23.659 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.609 | 200  | 39605m   | 22.357 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.336 | 188  | 261363   | 18.871 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.634 | 212  | 339171m  | 17.570 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.328 | 264  | 382846m  | 19.156 | ng/u1  | 0.02     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.358  | 88   | 5752m    | 6.166  | ng/uL  |          |
| 5) Pyridine                   | 3.746  | 79   | 33575    | 13.174 | ng/u1# | 84       |
| 6) Benzaldehyde               | 6.995  | 77   | 42343    | 27.002 | ng/u1  | 94       |
| 8) Phenol                     | 7.054  | 94   | 63742    | 21.326 | ng/u1# | 85       |
| 10) Bis(2-Chloroethyl)ether   | 7.277  | 93   | 44069    | 21.807 | ng/u1  | 95       |
| 12) 2-Chlorophenol            | 7.424  | 128  | 44168    | 22.874 | ng/u1  | 94       |
| 13) 2-Methylphenol            | 8.300  | 108  | 41204    | 19.930 | ng/u1  | 99       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.370  | 45   | 40297    | 16.072 | ng/u1# | 91       |
| 16) Acetophenone              | 8.670  | 105  | 69069    | 20.920 | ng/u1# | 93       |
| 17) N-Nitroso-di-n-propyla... | 8.658  | 70   | 39654    | 20.569 | ng/u1  | 92       |
| 18) 4-Methylphenol            | 8.629  | 108  | 48907    | 21.615 | ng/u1  | 98       |
| 19) Hexachloroethane          | 8.934  | 117  | 15839    | 19.309 | ng/u1  | 86       |
| 22) Nitrobenzene              | 9.052  | 77   | 63240    | 21.654 | ng/u1# | 95       |
| 23) Isophorone                | 9.569  | 82   | 131342   | 22.583 | ng/u1# | 98       |
| 25) 2-Nitrophenol             | 9.763  | 139  | 28216    | 23.024 | ng/u1# | 76       |
| 26) 2,4-Dimethylphenol        | 9.822  | 107  | 61610    | 22.439 | ng/u1  | 94       |
| 27) Bis(2-Chloroethoxy)met... | 10.057 | 93   | 67918    | 21.966 | ng/u1# | 94       |
| 29) 2,4-Dichlorophenol        | 10.297 | 162  | 54687    | 23.858 | ng/u1  | 94       |
| 30) Naphthalene               | 10.697 | 128  | 109524   | 15.975 | ng/u1  | 99       |
| 32) 4-Chloroaniline           | 10.803 | 127  | 44819    | 15.975 | ng/u1  | 97       |
| 33) Hexachlorobutadiene       | 10.985 | 225  | 31729    | 17.319 | ng/u1  | 95       |
| 34) Caprolactam               | 11.555 | 113  | 13090m   | 17.154 | ng/u1  |          |
| 35) 4-Chloro-3-methylphenol   | 11.931 | 107  | 63951    | 24.275 | ng/u1  | 95       |
| 36) 2-Methylnaphthalene       | 12.307 | 142  | 114673   | 23.210 | ng/u1  | 96       |

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SSTD020506

## Manual Integrations

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Reviewed By :Yogesh Patel 09/25/2024

Supervised By :mohammad ahmed 09/26/2024

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Quant Title : SVOA CALIBRATION

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| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 37) 1-Methylnaphthalene       | 12.524 | 142  | 117953   | 23.590 | ng/ul# | 98       |
| 39) 1,2,4,5-Tetrachloroben... | 12.677 | 216  | 86560    | 24.032 | ng/ul# | 97       |
| 40) Hexachlorocyclopentadiene | 12.659 | 237  | 50805    | 26.588 | ng/ul  | 93       |
| 41) 2,4,6-Trichlorophenol     | 12.918 | 196  | 50729    | 22.602 | ng/ul  | 95       |
| 42) 2,4,5-Trichlorophenol     | 12.994 | 196  | 58488    | 24.805 | ng/ul  | 95       |
| 43) 1,1'-Biphenyl             | 13.323 | 154  | 171152   | 22.671 | ng/ul# | 90       |
| 44) 2-Chloronaphthalene       | 13.364 | 162  | 130852   | 21.566 | ng/ul  | 94       |
| 45) 2-Nitroaniline            | 13.564 | 65   | 50558    | 24.647 | ng/ul  | 98       |
| 47) Dimethylphthalate         | 13.946 | 163  | 158828   | 20.541 | ng/ul  | 99       |
| 48) 2,6-Dinitrotoluene        | 14.064 | 165  | 30450    | 20.638 | ng/ul  | 90       |
| 50) Acenaphthylene            | 14.210 | 152  | 173983   | 19.578 | ng/ul  | 95       |
| 51) 3-Nitroaniline            | 14.393 | 138  | 29355    | 22.185 | ng/ul# | 93       |
| 52) Acenaphthene              | 14.557 | 153  | 127515   | 19.755 | ng/ul  | 98       |
| 53) 2,4-Dinitrophenol         | 14.604 | 184  | 23663    | 26.852 | ng/ul  | 84       |
| 55) 4-Nitrophenol             | 14.716 | 109  | 35358    | 25.854 | ng/ul# | 73       |
| 56) Dibenzofuran              | 14.892 | 168  | 189408   | 19.787 | ng/ul  | 99       |
| 57) 2,4-Dinitrotoluene        | 14.857 | 165  | 49726    | 22.361 | ng/ul# | 81       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.121 | 232  | 50535    | 23.816 | ng/ul# | 90       |
| 59) Diethylphthalate          | 15.309 | 149  | 178413   | 20.737 | ng/ul  | 98       |
| 61) Fluorene                  | 15.538 | 166  | 168503   | 23.006 | ng/ul  | 98       |
| 62) 4-Chlorophenyl-phenyle... | 15.532 | 204  | 96364    | 23.844 | ng/ul  | 99       |
| 63) 4-Nitroaniline            | 15.556 | 138  | 32548    | 24.510 | ng/ul# | 80       |
| 66) 4,6-Dinitro-2-methylph... | 15.621 | 198  | 43461m   | 22.934 | ng/ul  |          |
| 67) N-Nitrosodiphenylamine    | 15.750 | 169  | 153812   | 18.690 | ng/ul  | 96       |
| 68) 4-Bromophenyl-phenylether | 16.431 | 248  | 74050    | 22.729 | ng/ul  | 94       |
| 69) Hexachlorobenzene         | 16.549 | 284  | 86758    | 23.064 | ng/ul  | 97       |
| 70) Atrazine                  | 16.702 | 200  | 74629    | 21.863 | ng/ul  | 95       |
| 71) Pentachlorophenol         | 16.890 | 266  | 50523    | 23.554 | ng/ul  | 92       |
| 72) Phenanthrene              | 17.283 | 178  | 304702m  | 19.572 | ng/ul  |          |
| 74) Anthracene                | 17.371 | 178  | 310554   | 19.318 | ng/ul  | 98       |
| 75) 1,2,3,4-Tetrachloroben... | 13.288 | 216  | 89131    | 19.945 | ng/ul  | 98       |
| 76) Pentachlorobenzene        | 14.810 | 250  | 87048    | 18.456 | ng/ul  | 98       |
| 77) Carbazole                 | 17.642 | 167  | 247267   | 19.320 | ng/ul  | 100      |
| 78) Di-n-butylphthalate       | 18.206 | 149  | 249997   | 15.188 | ng/ul# | 97       |
| 80) Fluoranthene              | 19.299 | 202  | 373997m  | 17.753 | ng/ul  |          |
| 82) Pyrene                    | 19.663 | 202  | 393116m  | 17.503 | ng/ul  |          |
| 83) Butylbenzylphthalate      | 20.562 | 149  | 131537   | 16.851 | ng/ul  | 98       |
| 84) 3,3'-Dichlorobenzidine    | 21.396 | 252  | 150209   | 21.012 | ng/ul  | 99       |
| 85) Benzo(a)anthracene        | 21.473 | 228  | 421857m  | 18.683 | ng/ul  |          |
| 86) Bis(2-ethylhexyl)phtha... | 21.390 | 149  | 185713m  | 16.467 | ng/ul  |          |
| 87) Chrysene                  | 21.537 | 228  | 398618   | 18.868 | ng/ul  | 95       |
| 89) Di-n-octyl phthalate      | 22.542 | 149  | 234544   | 11.687 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 23.570 | 252  | 444179m  | 19.253 | ng/ul  |          |
| 91) Benzo(k)fluoranthene      | 23.635 | 252  | 429749m  | 18.697 | ng/ul  |          |
| 93) Benzo(a)pyrene            | 24.393 | 252  | 405100m  | 18.678 | ng/ul  |          |
| 94) Indeno(1,2,3-cd)pyrene    | 27.959 | 276  | 528101   | 19.872 | ng/ul# | 89       |
| 95) Dibenzo(a,h)anthracene    | 28.018 | 278  | 431365m  | 20.305 | ng/ul  |          |
| 96) Benzo(g,h,i)perylene      | 29.034 | 276  | 397022m  | 19.457 | ng/ul  |          |

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

