

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG120624\  
 Data File : BG063591.D  
 Acq On : 6 Dec 2024 13:31  
 Operator : RC/JU  
 Sample : SSTD02084  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSTD020426

Quant Time: Dec 06 14:15:58 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG120624.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Dec 06 13:14:57 2024  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Yogesh Patel 12/10/2024  
 Supervised By :mohammad ahmed 12/10/2024

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.819  | 152  | 61973    | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.610 | 136  | 254867   | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.459 | 164  | 219491   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.214 | 188  | 617795   | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.474 | 240  | 714949   | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 24.506 | 264  | 690199   | 20.000 | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.283  | 96   | 11269    | 7.355  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.689  | 84   | 96219    | 19.847 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 6.997  | 99   | 117684   | 22.757 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.150  | 67   | 80322    | 23.815 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.355  | 132  | 72387    | 20.294 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.530  | 113  | 85038    | 20.204 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 8.971  | 128  | 35765    | 20.086 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.694  | 143  | 39917    | 18.368 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.234 | 165  | 91991    | 21.483 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.745 | 131  | 104905   | 19.757 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.865 | 166  | 322914   | 21.771 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.153 | 160  | 353216   | 20.999 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.682 | 143  | 37808    | 17.784 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.457 | 176  | 320246   | 23.168 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.587 | 200  | 64478    | 18.944 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.314 | 188  | 574121   | 21.585 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.611 | 212  | 844402   | 23.348 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.294 | 264  | 717540   | 21.565 | ng/u1  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.325  | 88   | 16173    | 8.689  | ng/uL  | 100      |
| 5) Pyridine                   | 3.712  | 79   | 108339   | 21.554 | ng/u1  | 100      |
| 6) Benzaldehyde               | 6.962  | 77   | 96012    | 30.563 | ng/u1  | 100      |
| 8) Phenol                     | 7.020  | 94   | 127014   | 22.474 | ng/u1  | 100      |
| 10) Bis(2-Chloroethyl)ether   | 7.244  | 93   | 86332    | 21.570 | ng/u1  | 100      |
| 12) 2-Chlorophenol            | 7.385  | 128  | 73587    | 19.488 | ng/u1  | 100      |
| 13) 2-Methylphenol            | 8.266  | 108  | 86456    | 20.885 | ng/u1  | 100      |
| 14) 2,2'-oxybis(1-Chloropr... | 8.336  | 45   | 120530   | 20.754 | ng/u1  | 100      |
| 16) Acetophenone              | 8.636  | 105  | 161178   | 23.361 | ng/u1  | 100      |
| 17) N-Nitroso-di-n-propyla... | 8.618  | 70   | 90642    | 23.527 | ng/u1  | 100      |
| 18) 4-Methylphenol            | 8.595  | 108  | 95593    | 21.264 | ng/u1  | 100      |
| 19) Hexachloroethane          | 8.895  | 117  | 39807    | 23.361 | ng/u1  | 100      |
| 22) Nitrobenzene              | 9.018  | 77   | 145466   | 24.881 | ng/u1  | 100      |
| 23) Isophorone                | 9.535  | 82   | 260523   | 24.465 | ng/u1  | 100      |
| 25) 2-Nitrophenol             | 9.729  | 139  | 42293    | 19.398 | ng/u1  | 100      |
| 26) 2,4-Dimethylphenol        | 9.793  | 107  | 109168   | 22.423 | ng/u1  | 100      |
| 27) Bis(2-Chloroethoxy)met... | 10.023 | 93   | 122063   | 21.554 | ng/u1  | 100      |
| 29) 2,4-Dichlorophenol        | 10.264 | 162  | 92284    | 21.903 | ng/u1  | 100      |
| 30) Naphthalene               | 10.657 | 128  | 266837   | 20.775 | ng/u1  | 100      |
| 32) 4-Chloroaniline           | 10.769 | 127  | 100498   | 19.717 | ng/u1  | 100      |
| 33) Hexachlorobutadiene       | 10.945 | 225  | 94605    | 24.037 | ng/u1  | 100      |
| 34) Caprolactam               | 11.509 | 113  | 29738m   | 20.963 | ng/u1  | 100      |
| 35) 4-Chloro-3-methylphenol   | 11.909 | 107  | 116159   | 25.714 | ng/u1  | 100      |
| 36) 2-Methylnaphthalene       | 12.273 | 142  | 206535   | 22.205 | ng/u1  | 100      |

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## Instrument :

BNA\_G

## ClientSampleId :

SSTD020426

## Manual Integrations

## APPROVED

Reviewed By :Yogesh Patel 12/10/2024

Supervised By :mohammad ahmed 12/10/2024

Quant Time: Dec 06 14:15:58 2024

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG120624.MA.M

Quant Title : SVOA CALIBRATION

QLast Update : Fri Dec 06 13:14:57 2024

Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 37) 1-Methylnaphthalene       | 12.496 | 142  | 212548   | 21.798 | ng/ul | 100      |
| 39) 1,2,4,5-Tetrachloroben... | 12.649 | 216  | 177818   | 22.663 | ng/ul | 100      |
| 40) Hexachlorocyclopentadiene | 12.625 | 237  | 67561    | 20.233 | ng/ul | 100      |
| 41) 2,4,6-Trichlorophenol     | 12.890 | 196  | 88757    | 21.008 | ng/ul | 100      |
| 42) 2,4,5-Trichlorophenol     | 12.972 | 196  | 91142    | 21.096 | ng/ul | 100      |
| 43) 1,1'-Biphenyl             | 13.289 | 154  | 308930   | 21.390 | ng/ul | 100      |
| 44) 2-Chloronaphthalene       | 13.331 | 162  | 247490   | 21.696 | ng/ul | 100      |
| 45) 2-Nitroaniline            | 13.536 | 65   | 79600    | 22.246 | ng/ul | 100      |
| 47) Dimethylphthalate         | 13.912 | 163  | 329970   | 22.514 | ng/ul | 100      |
| 48) 2,6-Dinitrotoluene        | 14.036 | 165  | 61198    | 21.104 | ng/ul | 100      |
| 50) Acenaphthylene            | 14.182 | 152  | 375142   | 22.035 | ng/ul | 100      |
| 51) 3-Nitroaniline            | 14.370 | 138  | 53923    | 20.461 | ng/ul | 100      |
| 52) Acenaphthene              | 14.523 | 153  | 273592   | 22.130 | ng/ul | 100      |
| 53) 2,4-Dinitrophenol         | 14.588 | 184  | 20561    | 13.800 | ng/ul | 100      |
| 55) 4-Nitrophenol             | 14.694 | 109  | 61940    | 23.691 | ng/ul | 100      |
| 56) Dibenzofuran              | 14.864 | 168  | 421878   | 23.392 | ng/ul | 100      |
| 57) 2,4-Dinitrotoluene        | 14.835 | 165  | 96698    | 21.663 | ng/ul | 100      |
| 58) 2,3,4,6-Tetrachlorophenol | 15.093 | 232  | 87954    | 21.404 | ng/ul | 100      |
| 59) Diethylphthalate          | 15.287 | 149  | 328963   | 22.361 | ng/ul | 100      |
| 61) Fluorene                  | 15.510 | 166  | 351497   | 22.947 | ng/ul | 100      |
| 62) 4-Chlorophenyl-phenyle... | 15.504 | 204  | 221850   | 23.931 | ng/ul | 100      |
| 63) 4-Nitroaniline            | 15.540 | 138  | 59849    | 22.298 | ng/ul | 100      |
| 66) 4,6-Dinitro-2-methylph... | 15.604 | 198  | 65720    | 18.233 | ng/ul | 100      |
| 67) N-Nitrosodiphenylamine    | 15.722 | 169  | 290729   | 20.364 | ng/ul | 100      |
| 68) 4-Bromophenyl-phenylether | 16.403 | 248  | 144057   | 21.112 | ng/ul | 100      |
| 69) Hexachlorobenzene         | 16.527 | 284  | 158350   | 21.833 | ng/ul | 100      |
| 70) Atrazine                  | 16.680 | 200  | 141223   | 20.365 | ng/ul | 100      |
| 71) Pentachlorophenol         | 16.873 | 266  | 43466    | 13.778 | ng/ul | 98       |
| 72) Phenanthrene              | 17.255 | 178  | 612377   | 21.091 | ng/ul | 100      |
| 74) Anthracene                | 17.349 | 178  | 635750   | 21.368 | ng/ul | 100      |
| 75) 1,2,3,4-Tetrachloroben... | 13.254 | 216  | 178411   | 20.245 | ng/ul | 100      |
| 76) Pentachlorobenzene        | 14.788 | 250  | 183234   | 20.995 | ng/ul | 100      |
| 77) Carbazole                 | 17.620 | 167  | 532478   | 21.738 | ng/ul | 100      |
| 78) Di-n-butylphthalate       | 18.184 | 149  | 552424   | 20.065 | ng/ul | 100      |
| 80) Fluoranthene              | 19.276 | 202  | 895945   | 22.644 | ng/ul | 100      |
| 82) Pyrene                    | 19.641 | 202  | 1005679  | 23.627 | ng/ul | 100      |
| 83) Butylbenzylphthalate      | 20.540 | 149  | 186242   | 14.836 | ng/ul | 100      |
| 84) 3,3'-Dichlorobenzidine    | 21.374 | 252  | 269174   | 18.564 | ng/ul | 100      |
| 85) Benzo(a)anthracene        | 21.450 | 228  | 993310   | 21.688 | ng/ul | 100      |
| 86) Bis(2-ethylhexyl)phtha... | 21.368 | 149  | 305752   | 16.444 | ng/ul | 100      |
| 87) Chrysene                  | 21.515 | 228  | 916465   | 21.484 | ng/ul | 100      |
| 89) Di-n-octyl phthalate      | 22.508 | 149  | 488988   | 17.154 | ng/ul | 100      |
| 90) Benzo(b)fluoranthene      | 23.542 | 252  | 891447   | 21.574 | ng/ul | 100      |
| 91) Benzo(k)fluoranthene      | 23.607 | 252  | 884195   | 21.681 | ng/ul | 100      |
| 93) Benzo(a)pyrene            | 24.365 | 252  | 833294   | 21.628 | ng/ul | 100      |
| 94) Indeno(1,2,3-cd)pyrene    | 27.931 | 276  | 978979   | 20.732 | ng/ul | 100      |
| 95) Dibenzo(a,h)anthracene    | 27.978 | 278  | 797088   | 20.698 | ng/ul | 100      |
| 96) Benzo(g,h,i)perylene      | 28.989 | 276  | 746477   | 20.826 | ng/ul | 100      |

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

