

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN052224\  
 Data File : BN031612.D  
 Acq On : 22 May 2024 19:32  
 Operator : MA/JU  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

## Instrument :

BNA\_N

## ClientSampleId :

SSTD020256

## Manual Integrations

## APPROVED

Reviewed By :Yogesh Patel 05/24/2024

Supervised By :mohammad ahmed 05/24/2024

Quant Time: May 22 23:21:15 2024

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-BN052124.MA.M

Quant Title : SVOA CALIBRATION

QLast Update : Tue May 21 23:42:49 2024

Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.693  | 152  | 497539   | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.475 | 136  | 1993355  | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.328 | 164  | 1105749  | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.075 | 188  | 1981703  | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.304 | 240  | 1665585  | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 24.239 | 264  | 1791776  | 20.000 | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.205  | 96   | 104611   | 8.334  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.605  | 84   | 742278   | 21.190 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 6.858  | 99   | 828271   | 20.223 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.034  | 67   | 505635   | 20.584 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.222  | 132  | 629281   | 19.940 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.393  | 113  | 612211   | 19.309 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 8.846  | 128  | 292311   | 19.376 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.563  | 143  | 263810   | 18.312 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.093 | 165  | 552170   | 19.603 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.610 | 131  | 810433   | 19.960 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.746 | 166  | 1394305  | 20.009 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.022 | 160  | 1780548  | 20.387 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.522 | 143  | 258110   | 19.576 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.322 | 176  | 1236683  | 20.478 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.440 | 200  | 142296   | 16.608 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.169 | 188  | 1730291  | 20.626 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.463 | 212  | 1853391  | 17.740 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.033 | 264  | 1689637  | 20.033 | ng/u1  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.234  | 88   | 114982   | 8.693  | ng/uL  | 99       |
| 5) Pyridine                   | 3.623  | 79   | 750889   | 21.780 | ng/u1  | 98       |
| 6) Benzaldehyde               | 6.840  | 77   | 474356m  | 22.612 | ng/u1  |          |
| 8) Phenol                     | 6.881  | 94   | 860991   | 20.454 | ng/u1  | 99       |
| 10) Bis(2-Chloroethyl)ether   | 7.122  | 93   | 713226   | 20.418 | ng/u1  | 98       |
| 12) 2-Chlorophenol            | 7.258  | 128  | 665183   | 20.097 | ng/u1  | 100      |
| 13) 2-Methylphenol            | 8.128  | 108  | 617632   | 19.588 | ng/u1  | 98       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.216  | 45   | 820741   | 20.341 | ng/u1  | 99       |
| 16) Acetophenone              | 8.511  | 105  | 993363   | 20.086 | ng/u1  | 99       |
| 17) N-Nitroso-di-n-propyla... | 8.499  | 70   | 475304   | 18.707 | ng/u1  | 99       |
| 18) 4-Methylphenol            | 8.458  | 108  | 655044   | 19.547 | ng/u1  | 98       |
| 19) Hexachloroethane          | 8.763  | 117  | 286786   | 20.280 | ng/u1  | 96       |
| 22) Nitrobenzene              | 8.887  | 77   | 748133   | 20.244 | ng/u1  | 97       |
| 23) Isophorone                | 9.410  | 82   | 1343588  | 19.113 | ng/u1  | 99       |
| 25) 2-Nitrophenol             | 9.593  | 139  | 311703   | 19.413 | ng/u1  | 95       |
| 26) 2,4-Dimethylphenol        | 9.652  | 107  | 646023   | 19.696 | ng/u1  | 99       |
| 27) Bis(2-Chloroethoxy)met... | 9.899  | 93   | 877456   | 19.580 | ng/u1  | 99       |
| 29) 2,4-Dichlorophenol        | 10.122 | 162  | 547321   | 19.600 | ng/u1  | 97       |
| 30) Naphthalene               | 10.522 | 128  | 2080479  | 20.280 | ng/u1  | 99       |
| 32) 4-Chloroaniline           | 10.634 | 127  | 807630   | 20.385 | ng/u1  | 99       |
| 33) Hexachlorobutadiene       | 10.810 | 225  | 346986   | 20.306 | ng/u1  | 97       |
| 34) Caprolactam               | 11.399 | 113  | 161602   | 17.869 | ng/u1  | 93       |
| 35) 4-Chloro-3-methylphenol   | 11.757 | 107  | 576605   | 19.014 | ng/u1  | 94       |
| 36) 2-Methylnaphthalene       | 12.140 | 142  | 1321000  | 19.677 | ng/u1  | 99       |

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 Sample : SSTDCCC020  
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 ALS Vial : 2 Sample Multiplier: 1

## Instrument :

BNA\_N

## ClientSampleId :

SSTD020256

## Manual Integrations

## APPROVED

Reviewed By :Yogesh Patel 05/24/2024

Supervised By :mohammad ahmed 05/24/2024

Quant Time: May 22 23:21:15 2024

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-BN052124.MA.M

Quant Title : SVOA CALIBRATION

QLast Update : Tue May 21 23:42:49 2024

Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 37) 1-Methylnaphthalene       | 12.363 | 142  | 1318711  | 19.844 | ng/ul | 99       |
| 39) 1,2,4,5-Tetrachloroben... | 12.510 | 216  | 638900   | 20.416 | ng/ul | 99       |
| 40) Hexachlorocyclopentadiene | 12.487 | 237  | 340112   | 18.130 | ng/ul | 95       |
| 41) 2,4,6-Trichlorophenol     | 12.751 | 196  | 381033   | 19.704 | ng/ul | 98       |
| 42) 2,4,5-Trichlorophenol     | 12.822 | 196  | 406181   | 19.403 | ng/ul | 95       |
| 43) 1,1'-Biphenyl             | 13.163 | 154  | 1627632  | 20.417 | ng/ul | 100      |
| 44) 2-Chloronaphthalene       | 13.198 | 162  | 1282949  | 20.325 | ng/ul | 99       |
| 45) 2-Nitroaniline            | 13.410 | 65   | 328065   | 19.854 | ng/ul | 96       |
| 47) Dimethylphthalate         | 13.793 | 163  | 1423082  | 20.013 | ng/ul | 99       |
| 48) 2,6-Dinitrotoluene        | 13.910 | 165  | 267210   | 19.718 | ng/ul | 99       |
| 50) Acenaphthylene            | 14.051 | 152  | 2027817  | 20.113 | ng/ul | 99       |
| 51) 3-Nitroaniline            | 14.234 | 138  | 301283   | 19.587 | ng/ul | 99       |
| 52) Acenaphthene              | 14.393 | 153  | 1340097  | 20.515 | ng/ul | 94       |
| 53) 2,4-Dinitrophenol         | 14.440 | 184  | 94216    | 15.140 | ng/ul | 99       |
| 55) 4-Nitrophenol             | 14.534 | 109  | 202636   | 20.397 | ng/ul | 96       |
| 56) Dibenzofuran              | 14.728 | 168  | 1767889  | 20.273 | ng/ul | 98       |
| 57) 2,4-Dinitrotoluene        | 14.693 | 165  | 376679   | 20.748 | ng/ul | 99       |
| 58) 2,3,4,6-Tetrachlorophenol | 14.951 | 232  | 298928   | 19.658 | ng/ul | 98       |
| 59) Diethylphthalate          | 15.163 | 149  | 1363701  | 20.353 | ng/ul | 98       |
| 61) Fluorene                  | 15.381 | 166  | 1430007  | 20.934 | ng/ul | 99       |
| 62) 4-Chlorophenyl-phenyle... | 15.381 | 204  | 674874   | 20.522 | ng/ul | 99       |
| 63) 4-Nitroaniline            | 15.398 | 138  | 286879   | 20.796 | ng/ul | 98       |
| 66) 4,6-Dinitro-2-methylph... | 15.451 | 198  | 154486   | 16.442 | ng/ul | 99       |
| 67) N-Nitrosodiphenylamine    | 15.592 | 169  | 1150938  | 19.729 | ng/ul | 96       |
| 68) 4-Bromophenyl-phenylether | 16.269 | 248  | 379306   | 19.010 | ng/ul | 94       |
| 69) Hexachlorobenzene         | 16.375 | 284  | 441220   | 20.489 | ng/ul | 93       |
| 70) Atrazine                  | 16.545 | 200  | 311526   | 19.842 | ng/ul | 98       |
| 71) Pentachlorophenol         | 16.716 | 266  | 230104   | 18.734 | ng/ul | 92       |
| 72) Phenanthrene              | 17.116 | 178  | 2084063  | 20.722 | ng/ul | 100      |
| 74) Anthracene                | 17.204 | 178  | 2089331  | 20.706 | ng/ul | 98       |
| 75) 1,2,3,4-Tetrachloroben... | 13.122 | 216  | 628206   | 19.941 | ng/ul | 97       |
| 76) Pentachlorobenzene        | 14.645 | 250  | 552448   | 19.366 | ng/ul | 92       |
| 77) Carbazole                 | 17.475 | 167  | 1888374  | 21.931 | ng/ul | 99       |
| 78) Di-n-butylphthalate       | 18.051 | 149  | 2076159  | 20.999 | ng/ul | 99       |
| 80) Fluoranthene              | 19.133 | 202  | 2249268  | 17.418 | ng/ul | 99       |
| 82) Pyrene                    | 19.498 | 202  | 2297658  | 17.350 | ng/ul | 99       |
| 83) Butylbenzylphthalate      | 20.410 | 149  | 809079   | 18.001 | ng/ul | 96       |
| 84) 3,3'-Dichlorobenzidine    | 21.216 | 252  | 625509   | 19.531 | ng/ul | 97       |
| 85) Benzo(a)anthracene        | 21.286 | 228  | 2148688  | 19.184 | ng/ul | 98       |
| 86) Bis(2-ethylhexyl)phtha... | 21.222 | 149  | 1188765  | 19.317 | ng/ul | 98       |
| 87) Chrysene                  | 21.345 | 228  | 2044204  | 19.759 | ng/ul | 100      |
| 89) Di-n-octyl phthalate      | 22.339 | 149  | 1832209  | 17.891 | ng/ul | 100      |
| 90) Benzo(b)fluoranthene      | 23.310 | 252  | 2072761  | 19.824 | ng/ul | 96       |
| 91) Benzo(k)fluoranthene      | 23.369 | 252  | 2165643  | 20.318 | ng/ul | 99       |
| 93) Benzo(a)pyrene            | 24.098 | 252  | 2040747  | 20.318 | ng/ul | 96       |
| 94) Indeno(1,2,3-cd)pyrene    | 27.533 | 276  | 2461848  | 20.423 | ng/ul | 97       |
| 95) Dibenzo(a,h)anthracene    | 27.598 | 278  | 2018508  | 20.334 | ng/ul | 98       |
| 96) Benzo(g,h,i)perylene      | 28.562 | 276  | 2008459m | 20.166 | ng/ul |          |

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

