

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN101624\  
 Data File : BN034610.D  
 Acq On : 16 Oct 2024 14:37  
 Operator : RC/JU  
 Sample : SSTD08090  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

## Instrument :

BNA\_N

## ClientSampleId :

SSTD080228

## Manual Integrations

## APPROVED

Reviewed By :Yogesh Patel 10/17/2024

Supervised By :mohammad ahmed 10/17/2024

Quant Time: Oct 16 15:28:09 2024

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-BN101624.MA.M

Quant Title : SVOA CALIBRATION

QLast Update : Wed Oct 16 14:56:03 2024

Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.663  | 152  | 222620   | 20.000 | ng/u1 | 0.00     |
| 20) Naphthalene-d8            | 10.446 | 136  | 979980   | 20.000 | ng/u1 | 0.00     |
| 38) Acenaphthene-d10          | 14.298 | 164  | 592861   | 20.000 | ng/u1 | 0.00     |
| 64) Phenanthrene-d10          | 17.045 | 188  | 1135584  | 20.000 | ng/u1 | 0.00     |
| 79) Chrysene-d12              | 21.274 | 240  | 985932   | 20.000 | ng/u1 | 0.00     |
| 88) Perylene-d12              | 24.168 | 264  | 1179309  | 20.000 | ng/u1 | 0.01     |
|                               |        |      |          |        |       |          |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 3) 1,4-Dioxane-d8             | 3.211  | 96   | 173228   | 31.374 | ng/uL | 0.00     |
| 4) Pyridine-d5                | 3.599  | 84   | 1309180  | 79.317 | ng/u1 | 0.00     |
| 7) Phenol-d5                  | 6.840  | 99   | 1499309  | 76.012 | ng/u1 | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.011  | 67   | 912238   | 74.632 | ng/u1 | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.205  | 132  | 1184939  | 76.541 | ng/u1 | 0.00     |
| 15) 4-Methylphenol-d8         | 8.375  | 113  | 1175891  | 73.166 | ng/u1 | 0.01     |
| 21) Nitrobenzene-d5           | 8.816  | 128  | 581853   | 75.293 | ng/u1 | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.534  | 143  | 533174   | 69.986 | ng/u1 | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.063 | 165  | 1031646  | 69.422 | ng/u1 | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.575 | 131  | 1692056  | 73.303 | ng/u1 | 0.00     |
| 46) Dimethylphthalate-d6      | 13.728 | 166  | 2979593  | 68.354 | ng/u1 | 0.00     |
| 49) Acenaphthylene-d8         | 13.993 | 160  | 3624124  | 72.472 | ng/u1 | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.504 | 143  | 600165   | 68.455 | ng/u1 | 0.02     |
| 60) Fluorene-d10              | 15.298 | 176  | 2523230  | 67.871 | ng/u1 | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.416 | 200  | 374021   | 60.325 | ng/u1 | 0.01     |
| 73) Anthracene-d10            | 17.145 | 188  | 3834196  | 71.959 | ng/u1 | 0.00     |
| 81) Pyrene-d10                | 19.439 | 212  | 4039856  | 73.833 | ng/u1 | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.980 | 264  | 4374108  | 72.390 | ng/u1 | 0.01     |
|                               |        |      |          |        |       |          |
| Target Compounds              | Qvalue |      |          |        |       |          |
| 2) 1,4-Dioxane                | 3.240  | 88   | 189401   | 32.073 | ng/uL | 98       |
| 5) Pyridine                   | 3.617  | 79   | 1320942  | 78.291 | ng/u1 | 99       |
| 6) Benzaldehyde               | 6.811  | 77   | 843818   | 80.416 | ng/u1 | 97       |
| 8) Phenol                     | 6.869  | 94   | 1539350  | 74.659 | ng/u1 | 99       |
| 10) Bis(2-Chloroethyl)ether   | 7.105  | 93   | 1207429  | 75.293 | ng/u1 | 98       |
| 12) 2-Chlorophenol            | 7.234  | 128  | 1217576  | 76.546 | ng/u1 | 97       |
| 13) 2-Methylphenol            | 8.105  | 108  | 1148725  | 74.814 | ng/u1 | 99       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.193  | 45   | 1821735  | 77.064 | ng/u1 | 100      |
| 16) Acetophenone              | 8.487  | 105  | 1846866  | 72.274 | ng/u1 | 96       |
| 17) N-Nitroso-di-n-propyla... | 8.487  | 70   | 901734   | 71.624 | ng/u1 | 96       |
| 18) 4-Methylphenol            | 8.440  | 108  | 1254308  | 73.818 | ng/u1 | 99       |
| 19) Hexachloroethane          | 8.740  | 117  | 494999   | 73.621 | ng/u1 | 97       |
| 22) Nitrobenzene              | 8.857  | 77   | 1340526  | 69.681 | ng/u1 | 99       |
| 23) Isophorone                | 9.387  | 82   | 2585494  | 71.919 | ng/u1 | 99       |
| 25) 2-Nitrophenol             | 9.563  | 139  | 600438   | 70.088 | ng/u1 | 99       |
| 26) 2,4-Dimethylphenol        | 9.634  | 107  | 1256484  | 68.869 | ng/u1 | 98       |
| 27) Bis(2-Chloroethoxy)met... | 9.875  | 93   | 1577653  | 71.236 | ng/u1 | 99       |
| 29) 2,4-Dichlorophenol        | 10.093 | 162  | 1046169  | 69.556 | ng/u1 | 99       |
| 30) Naphthalene               | 10.493 | 128  | 3848677  | 71.295 | ng/u1 | 99       |
| 32) 4-Chloroaniline           | 10.604 | 127  | 1590667  | 70.330 | ng/u1 | 99       |
| 33) Hexachlorobutadiene       | 10.793 | 225  | 592859   | 62.169 | ng/u1 | 99       |
| 34) Caprolactam               | 11.369 | 113  | 406282m  | 72.526 | ng/u1 |          |
| 35) 4-Chloro-3-methylphenol   | 11.734 | 107  | 1174583  | 66.875 | ng/u1 | 99       |
| 36) 2-Methylnaphthalene       | 12.110 | 142  | 2558888  | 69.679 | ng/u1 | 98       |

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 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Oct 16 14:56:03 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 37) 1-Methylnaphthalene       | 12.334 | 142  | 2585610  | 69.612 | ng/ul  | 99       |
| 39) 1,2,4,5-Tetrachloroben... | 12.487 | 216  | 1142511  | 67.903 | ng/ul  | 99       |
| 40) Hexachlorocyclopentadiene | 12.475 | 237  | 643424   | 67.059 | ng/ul  | 97       |
| 41) 2,4,6-Trichlorophenol     | 12.722 | 196  | 737456   | 67.629 | ng/ul  | 95       |
| 42) 2,4,5-Trichlorophenol     | 12.793 | 196  | 804309   | 66.983 | ng/ul  | 93       |
| 43) 1,1'-Biphenyl             | 13.140 | 154  | 3154312  | 70.555 | ng/ul  | 98       |
| 44) 2-Chloronaphthalene       | 13.169 | 162  | 2468273  | 70.979 | ng/ul  | 98       |
| 45) 2-Nitroaniline            | 13.369 | 65   | 771531   | 71.367 | ng/ul  | 99       |
| 47) Dimethylphthalate         | 13.775 | 163  | 2954772  | 66.778 | ng/ul  | 100      |
| 48) 2,6-Dinitrotoluene        | 13.881 | 165  | 619713   | 72.653 | ng/ul  | 91       |
| 50) Acenaphthylene            | 14.022 | 152  | 3895901  | 71.440 | ng/ul  | 98       |
| 51) 3-Nitroaniline            | 14.204 | 138  | 718120   | 75.109 | ng/ul# | 88       |
| 52) Acenaphthene              | 14.369 | 153  | 2694748  | 69.622 | ng/ul  | 96       |
| 53) 2,4-Dinitrophenol         | 14.404 | 184  | 247205   | 51.736 | ng/ul  | 97       |
| 55) 4-Nitrophenol             | 14.516 | 109  | 416506   | 57.061 | ng/ul  | 90       |
| 56) Dibenzofuran              | 14.704 | 168  | 3610479  | 68.617 | ng/ul  | 98       |
| 57) 2,4-Dinitrotoluene        | 14.669 | 165  | 898874   | 70.717 | ng/ul  | 93       |
| 58) 2,3,4,6-Tetrachlorophenol | 14.928 | 232  | 606825   | 62.713 | ng/ul  | 96       |
| 59) Diethylphthalate          | 15.157 | 149  | 3050336  | 66.199 | ng/ul  | 98       |
| 61) Fluorene                  | 15.357 | 166  | 2824371  | 65.614 | ng/ul  | 95       |
| 62) 4-Chlorophenyl-phenyle... | 15.357 | 204  | 1267913  | 61.783 | ng/ul  | 99       |
| 63) 4-Nitroaniline            | 15.375 | 138  | 696273   | 70.713 | ng/ul  | 97       |
| 66) 4,6-Dinitro-2-methylph... | 15.434 | 198  | 417677   | 60.099 | ng/ul  | 98       |
| 67) N-Nitrosodiphenylamine    | 15.569 | 169  | 2515905  | 73.453 | ng/ul  | 98       |
| 68) 4-Bromophenyl-phenylether | 16.251 | 248  | 810193   | 71.290 | ng/ul  | 91       |
| 69) Hexachlorobenzene         | 16.351 | 284  | 922508   | 70.537 | ng/ul  | 95       |
| 70) Atrazine                  | 16.534 | 200  | 872796   | 71.806 | ng/ul  | 97       |
| 71) Pentachlorophenol         | 16.692 | 266  | 530360   | 62.661 | ng/ul  | 96       |
| 72) Phenanthrene              | 17.086 | 178  | 4345869  | 69.874 | ng/ul  | 99       |
| 74) Anthracene                | 17.181 | 178  | 4564217  | 71.632 | ng/ul  | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 13.093 | 216  | 1139542  | 72.649 | ng/ul  | 98       |
| 76) Pentachlorobenzene        | 14.622 | 250  | 1072610  | 67.635 | ng/ul  | 94       |
| 77) Carbazole                 | 17.445 | 167  | 4291410  | 72.455 | ng/ul  | 100      |
| 78) Di-n-butylphthalate       | 18.045 | 149  | 5193694  | 70.766 | ng/ul  | 99       |
| 80) Fluoranthene              | 19.104 | 202  | 4778981  | 74.053 | ng/ul  | 97       |
| 82) Pyrene                    | 19.469 | 202  | 5072721  | 72.865 | ng/ul  | 99       |
| 83) Butylbenzylphthalate      | 20.398 | 149  | 2250922  | 74.728 | ng/ul  | 100      |
| 84) 3,3'-Dichlorobenzidine    | 21.186 | 252  | 1607745  | 72.830 | ng/ul  | 98       |
| 85) Benzo(a)anthracene        | 21.257 | 228  | 4888589  | 69.850 | ng/ul  | 99       |
| 86) Bis(2-ethylhexyl)phtha... | 21.227 | 149  | 3351735  | 75.645 | ng/ul  | 100      |
| 87) Chrysene                  | 21.316 | 228  | 4711419  | 70.556 | ng/ul  | 96       |
| 89) Di-n-octyl phthalate      | 22.345 | 149  | 5847149  | 75.923 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 23.263 | 252  | 5084503  | 70.984 | ng/ul  | 99       |
| 91) Benzo(k)fluoranthene      | 23.327 | 252  | 5211023  | 73.390 | ng/ul  | 100      |
| 93) Benzo(a)pyrene            | 24.045 | 252  | 5008346  | 73.850 | ng/ul  | 98       |
| 94) Indeno(1,2,3-cd)pyrene    | 27.421 | 276  | 6214025m | 73.920 | ng/ul  |          |
| 95) Dibenzo(a,h)anthracene    | 27.492 | 278  | 5069371  | 74.252 | ng/ul  | 98       |
| 96) Benzo(g,h,i)perylene      | 28.433 | 276  | 4836453  | 73.867 | ng/ul  | 99       |

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

