

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN120324\  
 Data File : BN035400.D  
 Acq On : 03 Dec 2024 09:30  
 Operator : RC/JU  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SSTD020349

Quant Time: Dec 03 10:29:08 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-BN120224.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Dec 02 18:25:21 2024  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 12/04/2024  
 Supervised By :mohammad ahmed 12/05/2024

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.293  | 152  | 77198    | 20.000 | ng/u1  | -0.01    |
| 20) Naphthalene-d8            | 10.046 | 136  | 325386   | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 13.963 | 164  | 257861   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 16.728 | 188  | 590832   | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 20.986 | 240  | 623287   | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 23.657 | 264  | 753050   | 20.000 | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 2.958  | 96   | 12660    | 7.749  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.334  | 84   | 91376    | 21.218 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 6.499  | 99   | 114293   | 20.782 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 6.652  | 67   | 65058    | 21.213 | ng/u1  | -0.01    |
| 11) 2-Chlorophenol-d4         | 6.840  | 132  | 94899    | 20.363 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.010  | 113  | 99394    | 20.739 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 8.434  | 128  | 45134    | 21.350 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.146  | 143  | 52753    | 21.559 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 9.681  | 165  | 115967   | 21.684 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.193 | 131  | 145698   | 22.064 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.392 | 166  | 388333   | 20.973 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 13.645 | 160  | 423575   | 20.773 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.198 | 143  | 65527    | 21.492 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 14.969 | 176  | 336627   | 21.053 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.104 | 200  | 65618    | 21.059 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 16.828 | 188  | 544279   | 20.886 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.151 | 212  | 656142   | 19.932 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.474 | 264  | 775114   | 21.256 | ng/u1  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 2.987  | 88   | 14267    | 7.788  | ng/uL  | 97       |
| 5) Pyridine                   | 3.352  | 79   | 92209    | 21.352 | ng/u1  | 98       |
| 6) Benzaldehyde               | 6.458  | 77   | 75927    | 25.596 | ng/u1  | 99       |
| 8) Phenol                     | 6.522  | 94   | 118865   | 20.869 | ng/u1  | 95       |
| 10) Bis(2-Chloroethyl)ether   | 6.746  | 93   | 94498    | 21.192 | ng/u1  | 98       |
| 12) 2-Chlorophenol            | 6.869  | 128  | 97639    | 20.132 | ng/u1  | 99       |
| 13) 2-Methylphenol            | 7.746  | 108  | 93770    | 21.203 | ng/u1  | 98       |
| 14) 2,2'-oxybis(1-Chloropr... | 7.822  | 45   | 72702    | 20.628 | ng/u1  | 96       |
| 16) Acetophenone              | 8.110  | 105  | 163797   | 21.641 | ng/u1  | 99       |
| 17) N-Nitroso-di-n-propyla... | 8.104  | 70   | 73349    | 20.384 | ng/u1  | 97       |
| 18) 4-Methylphenol            | 8.075  | 108  | 104744   | 21.315 | ng/u1  | 100      |
| 19) Hexachloroethane          | 8.346  | 117  | 41502    | 20.029 | ng/u1  | 96       |
| 22) Nitrobenzene              | 8.475  | 77   | 116731   | 21.983 | ng/u1  | 99       |
| 23) Isophorone                | 9.004  | 82   | 228754   | 21.498 | ng/u1  | 99       |
| 25) 2-Nitrophenol             | 9.175  | 139  | 60040    | 21.657 | ng/u1  | 99       |
| 26) 2,4-Dimethylphenol        | 9.257  | 107  | 121280   | 21.826 | ng/u1  | 98       |
| 27) Bis(2-Chloroethoxy)met... | 9.493  | 93   | 136502   | 21.059 | ng/u1  | 97       |
| 29) 2,4-Dichlorophenol        | 9.704  | 162  | 116252   | 21.483 | ng/u1  | 96       |
| 30) Naphthalene               | 10.093 | 128  | 344108   | 20.809 | ng/u1  | 99       |
| 32) 4-Chloroaniline           | 10.216 | 127  | 140020   | 22.135 | ng/u1  | 99       |
| 33) Hexachlorobutadiene       | 10.393 | 225  | 81655    | 21.381 | ng/u1  | 98       |
| 34) Caprolactam               | 10.987 | 113  | 33603m   | 21.492 | ng/u1  |          |
| 35) 4-Chloro-3-methylphenol   | 11.363 | 107  | 122424   | 21.719 | ng/u1  | 98       |
| 36) 2-Methylnaphthalene       | 11.722 | 142  | 264391   | 21.471 | ng/u1  | 100      |

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## Instrument :

BNA\_N

## ClientSampleId :

SSTD020349

## Manual Integrations

## APPROVED

Reviewed By :Jagrut Upadhyay 12/04/2024  
 Supervised By :mohammad ahmed 12/05/2024

Quant Time: Dec 03 10:29:08 2024

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-BN120224.MA.M

Quant Title : SVOA CALIBRATION

QLast Update : Mon Dec 02 18:25:21 2024

Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 37) 1-Methylnaphthalene       | 11.951 | 142  | 269607   | 21.357 | ng/ul | 96       |
| 39) 1,2,4,5-Tetrachloroben... | 12.110 | 216  | 159408   | 20.977 | ng/ul | 97       |
| 40) Hexachlorocyclopentadiene | 12.093 | 237  | 77912    | 20.408 | ng/ul | 94       |
| 41) 2,4,6-Trichlorophenol     | 12.363 | 196  | 105059   | 21.319 | ng/ul | 94       |
| 42) 2,4,5-Trichlorophenol     | 12.434 | 196  | 117503   | 21.401 | ng/ul | 95       |
| 43) 1,1'-Biphenyl             | 12.781 | 154  | 369842   | 20.782 | ng/ul | 94       |
| 44) 2-Chloronaphthalene       | 12.810 | 162  | 297003   | 20.865 | ng/ul | 99       |
| 45) 2-Nitroaniline            | 13.034 | 65   | 61145    | 21.855 | ng/ul | 95       |
| 47) Dimethylphthalate         | 13.440 | 163  | 385166   | 20.794 | ng/ul | 98       |
| 48) 2,6-Dinitrotoluene        | 13.551 | 165  | 66946    | 21.685 | ng/ul | 93       |
| 50) Acenaphthylene            | 13.675 | 152  | 448145   | 20.678 | ng/ul | 99       |
| 51) 3-Nitroaniline            | 13.881 | 138  | 68492    | 21.421 | ng/ul | 98       |
| 52) Acenaphthene              | 14.022 | 153  | 315761   | 20.242 | ng/ul | 96       |
| 53) 2,4-Dinitrophenol         | 14.092 | 184  | 41405    | 19.201 | ng/ul | 97       |
| 55) 4-Nitrophenol             | 14.210 | 109  | 63380    | 22.010 | ng/ul | 95       |
| 56) Dibenzofuran              | 14.369 | 168  | 458402   | 20.668 | ng/ul | 97       |
| 57) 2,4-Dinitrotoluene        | 14.351 | 165  | 108313   | 22.109 | ng/ul | 95       |
| 58) 2,3,4,6-Tetrachlorophenol | 14.604 | 232  | 100600   | 21.032 | ng/ul | 98       |
| 59) Diethylphthalate          | 14.834 | 149  | 384127   | 21.219 | ng/ul | 100      |
| 61) Fluorene                  | 15.028 | 166  | 370707   | 20.747 | ng/ul | 98       |
| 62) 4-Chlorophenyl-phenyle... | 15.034 | 204  | 190206   | 20.834 | ng/ul | 98       |
| 63) 4-Nitroaniline            | 15.057 | 138  | 73669    | 23.757 | ng/ul | 97       |
| 66) 4,6-Dinitro-2-methylph... | 15.122 | 198  | 72743    | 21.547 | ng/ul | 98       |
| 67) N-Nitrosodiphenylamine    | 15.251 | 169  | 330877   | 21.080 | ng/ul | 99       |
| 68) 4-Bromophenyl-phenylether | 15.934 | 248  | 124646   | 20.861 | ng/ul | 93       |
| 69) Hexachlorobenzene         | 16.033 | 284  | 146283   | 20.624 | ng/ul | 100      |
| 70) Atrazine                  | 16.228 | 200  | 125586   | 22.402 | ng/ul | 99       |
| 71) Pentachlorophenol         | 16.386 | 266  | 97502    | 21.652 | ng/ul | 95       |
| 72) Phenanthrene              | 16.769 | 178  | 631252   | 20.751 | ng/ul | 99       |
| 74) Anthracene                | 16.863 | 178  | 643182   | 20.941 | ng/ul | 100      |
| 75) 1,2,3,4-Tetrachloroben... | 12.734 | 216  | 158349   | 20.214 | ng/ul | 94       |
| 76) Pentachlorobenzene        | 14.287 | 250  | 167973   | 20.829 | ng/ul | 98       |
| 77) Carbazole                 | 17.139 | 167  | 582797   | 22.803 | ng/ul | 100      |
| 78) Di-n-butylphthalate       | 17.739 | 149  | 643605   | 21.633 | ng/ul | 99       |
| 80) Fluoranthene              | 18.810 | 202  | 763312   | 19.756 | ng/ul | 100      |
| 82) Pyrene                    | 19.180 | 202  | 813172   | 19.626 | ng/ul | 98       |
| 83) Butylbenzylphthalate      | 20.133 | 149  | 238346   | 20.410 | ng/ul | 99       |
| 84) 3,3'-Dichlorobenzidine    | 20.910 | 252  | 244348   | 21.988 | ng/ul | 97       |
| 85) Benzo(a)anthracene        | 20.969 | 228  | 858499   | 20.517 | ng/ul | 96       |
| 86) Bis(2-ethylhexyl)phtha... | 20.945 | 149  | 385668   | 20.944 | ng/ul | 97       |
| 87) Chrysene                  | 21.021 | 228  | 812133   | 20.144 | ng/ul | 99       |
| 89) Di-n-octyl phthalate      | 21.974 | 149  | 658256   | 19.230 | ng/ul | 100      |
| 90) Benzo(b)fluoranthene      | 22.827 | 252  | 894012   | 20.596 | ng/ul | 99       |
| 91) Benzo(k)fluoranthene      | 22.880 | 252  | 915846   | 20.605 | ng/ul | 99       |
| 93) Benzo(a)pyrene            | 23.533 | 252  | 846418   | 20.777 | ng/ul | 99       |
| 94) Indeno(1,2,3-cd)pyrene    | 26.604 | 276  | 1065825  | 21.933 | ng/ul | 97       |
| 95) Dibenzo(a,h)anthracene    | 26.656 | 278  | 854755   | 21.709 | ng/ul | 98       |
| 96) Benzo(g,h,i)perylene      | 27.515 | 276  | 809497   | 21.948 | ng/ul | 99       |

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

## Manual Integrations

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