



Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN100724\  
 Data File : BN034457.D  
 Acq On : 08 Oct 2024 04:05  
 Operator : RC/JU  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SSTD020339

Quant Time: Oct 08 04:35:02 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-BN091124.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Sep 30 14:14:38 2024  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/09/2024  
 Supervised By :mohammad ahmed 10/09/2024

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.375  | 152  | 228484   | 20.000 | ng/u1  | -0.01    |
| 20) Naphthalene-d8            | 10.134 | 136  | 931812   | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.034 | 164  | 584677   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 16.792 | 188  | 1120736  | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.021 | 240  | 788932   | 20.000 | ng/u1  | -0.01    |
| 88) Perylene-d12              | 23.733 | 264  | 919592   | 20.000 | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 2.993  | 96   | 38954    | 6.957  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.381  | 84   | 264118   | 15.870 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 6.581  | 99   | 352584   | 17.387 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 6.734  | 67   | 207392   | 16.484 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 6.916  | 132  | 313761   | 19.657 | ng/u1  | -0.01    |
| 15) 4-Methylphenol-d8         | 8.099  | 113  | 289655   | 17.360 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 8.522  | 128  | 153368   | 20.650 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.234  | 143  | 165917   | 21.724 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 9.769  | 165  | 305202   | 21.219 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.281 | 131  | 397636   | 18.261 | ng/u1  | -0.01    |
| 46) Dimethylphthalate-d6      | 13.457 | 166  | 856208   | 19.595 | ng/u1  | -0.01    |
| 49) Acenaphthylene-d8         | 13.716 | 160  | 998042   | 20.304 | ng/u1  | -0.01    |
| 54) 4-Nitrophenol-d4          | 14.269 | 143  | 140430   | 15.660 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.034 | 176  | 713372   | 19.264 | ng/u1  | -0.01    |
| 65) 4,6-Dinitro-2-methylph... | 15.175 | 200  | 109889   | 16.445 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 16.886 | 188  | 1048480  | 19.899 | ng/u1  | -0.01    |
| 81) Pyrene-d10                | 19.198 | 212  | 1039848  | 23.656 | ng/u1  | -0.01    |
| 92) Benzo(a)pyrene-d12        | 23.545 | 264  | 926306   | 19.610 | ng/u1  | -0.01    |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.028  | 88   | 41693    | 7.059  | ng/uL  | 89       |
| 5) Pyridine                   | 3.399  | 79   | 271555   | 15.945 | ng/u1  | 94       |
| 6) Benzaldehyde               | 6.534  | 77   | 186835   | 17.455 | ng/u1  | 95       |
| 8) Phenol                     | 6.605  | 94   | 341574   | 16.179 | ng/u1  | 95       |
| 10) Bis(2-Chloroethyl)ether   | 6.822  | 93   | 294244   | 17.932 | ng/u1  | 94       |
| 12) 2-Chlorophenol            | 6.952  | 128  | 308695   | 18.871 | ng/u1  | 95       |
| 13) 2-Methylphenol            | 7.834  | 108  | 279390   | 17.705 | ng/u1  | 96       |
| 14) 2,2'-oxybis(1-Chloropr... | 7.910  | 45   | 388116   | 16.038 | ng/u1  | 96       |
| 16) Acetophenone              | 8.193  | 105  | 433697   | 16.408 | ng/u1  | 97       |
| 17) N-Nitroso-di-n-propyla... | 8.187  | 70   | 213374   | 16.302 | ng/u1  | 93       |
| 18) 4-Methylphenol            | 8.157  | 108  | 298701   | 17.008 | ng/u1  | 98       |
| 19) Hexachloroethane          | 8.428  | 117  | 131570   | 19.070 | ng/u1  | 90       |
| 22) Nitrobenzene              | 8.563  | 77   | 329409   | 17.720 | ng/u1  | 93       |
| 23) Isophorone                | 9.087  | 82   | 617889   | 18.024 | ng/u1  | 96       |
| 25) 2-Nitrophenol             | 9.263  | 139  | 175534   | 20.536 | ng/u1  | 93       |
| 26) 2,4-Dimethylphenol        | 9.346  | 107  | 318730   | 18.125 | ng/u1  | 93       |
| 27) Bis(2-Chloroethoxy)met... | 9.575  | 93   | 396393   | 18.793 | ng/u1  | 99       |
| 29) 2,4-Dichlorophenol        | 9.793  | 162  | 297885   | 20.454 | ng/u1  | 96       |
| 30) Naphthalene               | 10.181 | 128  | 984594   | 19.317 | ng/u1  | 99       |
| 32) 4-Chloroaniline           | 10.304 | 127  | 381944   | 17.799 | ng/u1  | 99       |
| 33) Hexachlorobutadiene       | 10.475 | 225  | 195149   | 20.887 | ng/u1  | 96       |
| 34) Caprolactam               | 11.081 | 113  | 123474m  | 21.295 | ng/u1  |          |
| 35) 4-Chloro-3-methylphenol   | 11.451 | 107  | 300374   | 17.519 | ng/u1  | 94       |
| 36) 2-Methylnaphthalene       | 11.810 | 142  | 666962   | 18.997 | ng/u1  | 99       |

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## ClientSampleId :

SSTD020339

## Manual Integrations

## APPROVED

Reviewed By :Yogesh Patel 10/09/2024

Supervised By :mohammad ahmed 10/09/2024

Quant Time: Oct 08 04:35:02 2024

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-BN091124.MA.M

Quant Title : SVOA CALIBRATION

QLast Update : Mon Sep 30 14:14:38 2024

Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 37) 1-Methylnaphthalene       | 12.034 | 142  | 691398   | 19.455 | ng/ul  | 96       |
| 39) 1,2,4,5-Tetrachloroben... | 12.187 | 216  | 366701   | 21.725 | ng/ul  | 99       |
| 40) Hexachlorocyclopentadiene | 12.169 | 237  | 132745   | 12.782 | ng/ul  | 100      |
| 41) 2,4,6-Trichlorophenol     | 12.445 | 196  | 236188   | 21.107 | ng/ul  | 96       |
| 42) 2,4,5-Trichlorophenol     | 12.516 | 196  | 252629   | 20.554 | ng/ul  | 99       |
| 43) 1,1'-Biphenyl             | 12.851 | 154  | 862841   | 19.574 | ng/ul  | 99       |
| 44) 2-Chloronaphthalene       | 12.887 | 162  | 687378   | 20.017 | ng/ul  | 98       |
| 45) 2-Nitroaniline            | 13.110 | 65   | 181681   | 16.373 | ng/ul  | 88       |
| 47) Dimethylphthalate         | 13.504 | 163  | 855534   | 19.211 | ng/ul  | 98       |
| 48) 2,6-Dinitrotoluene        | 13.622 | 165  | 179724   | 20.496 | ng/ul  | 91       |
| 50) Acenaphthylene            | 13.745 | 152  | 1099220  | 20.436 | ng/ul  | 100      |
| 51) 3-Nitroaniline            | 13.951 | 138  | 176228   | 18.185 | ng/ul  | 92       |
| 52) Acenaphthene              | 14.092 | 153  | 721840   | 18.797 | ng/ul  | 98       |
| 53) 2,4-Dinitrophenol         | 14.163 | 184  | 78505    | 15.221 | ng/ul# | 84       |
| 55) 4-Nitrophenol             | 14.287 | 109  | 137387   | 18.040 | ng/ul  | 91       |
| 56) Dibenzofuran              | 14.434 | 168  | 992371   | 18.897 | ng/ul  | 96       |
| 57) 2,4-Dinitrotoluene        | 14.422 | 165  | 252051   | 19.066 | ng/ul  | 95       |
| 58) 2,3,4,6-Tetrachlorophenol | 14.675 | 232  | 210411   | 20.630 | ng/ul  | 92       |
| 59) Diethylphthalate          | 14.892 | 149  | 880284   | 18.916 | ng/ul  | 97       |
| 61) Fluorene                  | 15.092 | 166  | 814583   | 18.962 | ng/ul  | 95       |
| 62) 4-Chlorophenyl-phenyle... | 15.098 | 204  | 404828   | 19.443 | ng/ul  | 97       |
| 63) 4-Nitroaniline            | 15.128 | 138  | 172831   | 17.332 | ng/ul  | 86       |
| 66) 4,6-Dinitro-2-methylph... | 15.186 | 198  | 116947   | 15.760 | ng/ul  | 96       |
| 67) N-Nitrosodiphenylamine    | 15.316 | 169  | 683520   | 20.353 | ng/ul  | 99       |
| 68) 4-Bromophenyl-phenylether | 15.992 | 248  | 258967   | 22.755 | ng/ul  | 94       |
| 69) Hexachlorobenzene         | 16.098 | 284  | 297795   | 22.544 | ng/ul  | 93       |
| 70) Atrazine                  | 16.286 | 200  | 226828   | 18.642 | ng/ul  | 100      |
| 71) Pentachlorophenol         | 16.451 | 266  | 175413   | 19.939 | ng/ul  | 98       |
| 72) Phenanthrene              | 16.833 | 178  | 1215181  | 19.664 | ng/ul  | 100      |
| 74) Anthracene                | 16.922 | 178  | 1243513  | 19.706 | ng/ul  | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 12.810 | 216  | 350738   | 22.486 | ng/ul  | 96       |
| 76) Pentachlorobenzene        | 14.357 | 250  | 357183   | 22.490 | ng/ul  | 94       |
| 77) Carbazole                 | 17.204 | 167  | 1085187  | 18.685 | ng/ul  | 100      |
| 78) Di-n-butylphthalate       | 17.786 | 149  | 1484644  | 20.109 | ng/ul  | 99       |
| 80) Fluoranthene              | 18.863 | 202  | 1284665  | 24.999 | ng/ul  | 97       |
| 82) Pyrene                    | 19.227 | 202  | 1269537  | 22.980 | ng/ul  | 96       |
| 83) Butylbenzylphthalate      | 20.169 | 149  | 590210   | 23.823 | ng/ul  | 93       |
| 84) 3,3'-Dichlorobenzidine    | 20.951 | 252  | 290781   | 16.409 | ng/ul  | 95       |
| 85) Benzo(a)anthracene        | 21.004 | 228  | 1098640  | 19.531 | ng/ul  | 98       |
| 86) Bis(2-ethylhexyl)phtha... | 20.969 | 149  | 865875   | 23.878 | ng/ul  | 95       |
| 87) Chrysene                  | 21.063 | 228  | 1044507  | 19.461 | ng/ul  | 98       |
| 89) Di-n-octyl phthalate      | 22.010 | 149  | 1399028  | 22.864 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 22.886 | 252  | 1107915  | 19.761 | ng/ul  | 99       |
| 91) Benzo(k)fluoranthene      | 22.939 | 252  | 1104823  | 19.975 | ng/ul  | 98       |
| 93) Benzo(a)pyrene            | 23.604 | 252  | 1047282  | 19.773 | ng/ul  | 97       |
| 94) Indeno(1,2,3-cd)pyrene    | 26.721 | 276  | 1349255  | 20.560 | ng/ul  | 97       |
| 95) Dibenzo(a,h)anthracene    | 26.774 | 278  | 1097980  | 20.699 | ng/ul  | 97       |
| 96) Benzo(g,h,i)perylene      | 27.656 | 276  | 1098852  | 21.570 | ng/ul  | 97       |

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