

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN020724\  
 Data File : BN029572.D  
 Acq On : 08 Feb 2024 11:33  
 Operator : MA/JU  
 Sample : SSTDCCC020EC  
 Misc :  
 ALS Vial : 38 Sample Multiplier: 1

## Instrument :

BNA\_N

## ClientSampleId :

SSTD020296

## Manual Integrations

## APPROVED

Reviewed By :Jagrut Upadhyay 02/09/2024  
 Supervised By :mohammad ahmed 02/09/2024

Quant Time: Feb 09 00:28:45 2024

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-BN020724.MA.M

Quant Title : SVOA CALIBRATION

QLast Update : Thu Feb 08 00:25:29 2024

Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.875  | 152  | 271040   | 20.000 | ng/ul | -0.01    |
| 20) Naphthalene-d8            | 10.675 | 136  | 1112713  | 20.000 | ng/ul | -0.01    |
| 38) Acenaphthene-d10          | 14.522 | 164  | 571361   | 20.000 | ng/ul | 0.00     |
| 64) Phenanthrene-d10          | 17.275 | 188  | 1113136  | 20.000 | ng/ul | 0.00     |
| 79) Chrysene-d12              | 21.480 | 240  | 972781   | 20.000 | ng/ul | 0.00     |
| 88) Perylene-d12              | 23.851 | 264  | 1069269  | 20.000 | ng/ul | 0.00     |
|                               |        |      |          |        |       |          |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 3) 1,4-Dioxane-d8             | 3.322  | 96   | 61011    | 7.404  | ng/uL | 0.00     |
| 4) Pyridine-d5                | 3.728  | 84   | 408478   | 18.588 | ng/ul | -0.01    |
| 7) Phenol-d5                  | 7.040  | 99   | 479033   | 18.895 | ng/ul | -0.01    |
| 9) Bis-(2-Chloroethyl)eth...  | 7.216  | 67   | 314878   | 18.610 | ng/ul | -0.01    |
| 11) 2-Chlorophenol-d4         | 7.399  | 132  | 369689   | 20.123 | ng/ul | -0.02    |
| 15) 4-Methylphenol-d8         | 8.587  | 113  | 354847   | 18.768 | ng/ul | -0.01    |
| 21) Nitrobenzene-d5           | 9.040  | 128  | 167614   | 19.409 | ng/ul | -0.01    |
| 24) 2-Nitrophenol-d4          | 9.763  | 143  | 155941   | 20.733 | ng/ul | -0.01    |
| 28) 2,4-Dichlorophenol-d3     | 10.293 | 165  | 290569   | 19.572 | ng/ul | -0.01    |
| 31) 4-Chloroaniline-d4        | 10.822 | 131  | 459802   | 18.154 | ng/ul | -0.01    |
| 46) Dimethylphthalate-d6      | 13.945 | 166  | 793536   | 18.655 | ng/ul | 0.00     |
| 49) Acenaphthylene-d8         | 14.216 | 160  | 963306   | 19.069 | ng/ul | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.728 | 143  | 149718   | 18.544 | ng/ul | 0.00     |
| 60) Fluorene-d10              | 15.516 | 176  | 670330   | 18.524 | ng/ul | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.645 | 200  | 92138    | 16.988 | ng/ul | 0.00     |
| 73) Anthracene-d10            | 17.375 | 188  | 978381   | 18.754 | ng/ul | 0.00     |
| 81) Pyrene-d10                | 19.675 | 212  | 1042927  | 17.865 | ng/ul | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.698 | 264  | 1002435  | 18.735 | ng/ul | 0.00     |
|                               |        |      |          |        |       |          |
| Target Compounds              |        |      |          |        |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.358  | 88   | 63600    | 7.452  | ng/uL | 98       |
| 5) Pyridine                   | 3.752  | 79   | 422734   | 18.594 | ng/ul | 96       |
| 6) Benzaldehyde               | 7.016  | 77   | 281050m  | 24.731 | ng/ul |          |
| 8) Phenol                     | 7.063  | 94   | 489650   | 18.845 | ng/ul | 98       |
| 10) Bis(2-Chloroethyl)ether   | 7.311  | 93   | 407912   | 18.670 | ng/ul | 97       |
| 12) 2-Chlorophenol            | 7.434  | 128  | 384554   | 19.951 | ng/ul | 98       |
| 13) 2-Methylphenol            | 8.316  | 108  | 348161   | 18.569 | ng/ul | 100      |
| 14) 2,2'-oxybis(1-Chloropr... | 8.405  | 45   | 531050   | 18.611 | ng/ul | 98       |
| 16) Acetophenone              | 8.705  | 105  | 569431   | 18.923 | ng/ul | 97       |
| 17) N-Nitroso-di-n-propyla... | 8.693  | 70   | 301146   | 19.384 | ng/ul | 100      |
| 18) 4-Methylphenol            | 8.652  | 108  | 368636   | 18.606 | ng/ul | 98       |
| 19) Hexachloroethane          | 8.946  | 117  | 167410   | 18.716 | ng/ul | 97       |
| 22) Nitrobenzene              | 9.087  | 77   | 462956   | 18.920 | ng/ul | 98       |
| 23) Isophorone                | 9.610  | 82   | 789927   | 18.533 | ng/ul | 99       |
| 25) 2-Nitrophenol             | 9.793  | 139  | 174152   | 20.276 | ng/ul | 96       |
| 26) 2,4-Dimethylphenol        | 9.852  | 107  | 387483   | 18.824 | ng/ul | 97       |
| 27) Bis(2-Chloroethoxy)met... | 10.099 | 93   | 503520   | 18.589 | ng/ul | 98       |
| 29) 2,4-Dichlorophenol        | 10.322 | 162  | 292245   | 19.051 | ng/ul | 97       |
| 30) Naphthalene               | 10.728 | 128  | 1168822  | 18.377 | ng/ul | 99       |
| 32) 4-Chloroaniline           | 10.846 | 127  | 451831   | 18.071 | ng/ul | 96       |
| 33) Hexachlorobutadiene       | 10.999 | 225  | 175775   | 18.566 | ng/ul | 96       |
| 34) Caprolactam               | 11.616 | 113  | 89703m   | 17.573 | ng/ul |          |
| 35) 4-Chloro-3-methylphenol   | 11.969 | 107  | 341869   | 19.294 | ng/ul | 98       |
| 36) 2-Methylnaphthalene       | 12.340 | 142  | 719198   | 18.447 | ng/ul | 99       |

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Quant Time: Feb 09 00:28:45 2024

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-BN020724.MA.M

Quant Title : SVOA CALIBRATION

QLast Update : Thu Feb 08 00:25:29 2024

Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 37) 1-Methylnaphthalene       | 12.563 | 142  | 708498   | 18.330 | ng/ul | 100      |
| 39) 1,2,4,5-Tetrachloroben... | 12.704 | 216  | 319724   | 18.878 | ng/ul | 97       |
| 40) Hexachlorocyclopentadiene | 12.675 | 237  | 196491   | 17.750 | ng/ul | 99       |
| 41) 2,4,6-Trichlorophenol     | 12.951 | 196  | 190748   | 19.540 | ng/ul | 98       |
| 42) 2,4,5-Trichlorophenol     | 13.016 | 196  | 216648   | 19.752 | ng/ul | 97       |
| 43) 1,1'-Biphenyl             | 13.357 | 154  | 886390   | 18.395 | ng/ul | 97       |
| 44) 2-Chloronaphthalene       | 13.398 | 162  | 686839   | 18.340 | ng/ul | 98       |
| 45) 2-Nitroaniline            | 13.610 | 65   | 218216   | 19.819 | ng/ul | 99       |
| 47) Dimethylphthalate         | 13.993 | 163  | 820901   | 18.852 | ng/ul | 99       |
| 48) 2,6-Dinitrotoluene        | 14.116 | 165  | 148666   | 19.080 | ng/ul | 95       |
| 50) Acenaphthylene            | 14.245 | 152  | 1145363  | 18.892 | ng/ul | 100      |
| 51) 3-Nitroaniline            | 14.440 | 138  | 169807   | 18.725 | ng/ul | 99       |
| 52) Acenaphthene              | 14.587 | 153  | 740921   | 18.500 | ng/ul | 96       |
| 53) 2,4-Dinitrophenol         | 14.645 | 184  | 71605    | 18.108 | ng/ul | 92       |
| 55) 4-Nitrophenol             | 14.740 | 109  | 135405   | 18.341 | ng/ul | 98       |
| 56) Dibenzofuran              | 14.922 | 168  | 960645   | 18.165 | ng/ul | 98       |
| 57) 2,4-Dinitrotoluene        | 14.898 | 165  | 221719   | 20.211 | ng/ul | 95       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.145 | 232  | 162163   | 20.831 | ng/ul | 97       |
| 59) Diethylphthalate          | 15.363 | 149  | 841937   | 18.823 | ng/ul | 100      |
| 61) Fluorene                  | 15.575 | 166  | 784020   | 18.755 | ng/ul | 96       |
| 62) 4-Chlorophenyl-phenyle... | 15.575 | 204  | 349780   | 18.708 | ng/ul | 98       |
| 63) 4-Nitroaniline            | 15.604 | 138  | 172193   | 21.038 | ng/ul | 98       |
| 66) 4,6-Dinitro-2-methylph... | 15.657 | 198  | 104988   | 17.558 | ng/ul | 97       |
| 67) N-Nitrosodiphenylamine    | 15.792 | 169  | 651847   | 18.792 | ng/ul | 99       |
| 68) 4-Bromophenyl-phenylether | 16.469 | 248  | 194851   | 18.494 | ng/ul | 96       |
| 69) Hexachlorobenzene         | 16.569 | 284  | 225000   | 18.947 | ng/ul | 96       |
| 70) Atrazine                  | 16.751 | 200  | 201325   | 18.577 | ng/ul | 98       |
| 71) Pentachlorophenol         | 16.922 | 266  | 139676   | 20.253 | ng/ul | 96       |
| 72) Phenanthrene              | 17.316 | 178  | 1180098  | 18.327 | ng/ul | 98       |
| 74) Anthracene                | 17.410 | 178  | 1220826  | 18.892 | ng/ul | 98       |
| 75) 1,2,3,4-Tetrachloroben... | 13.316 | 216  | 303687   | 18.592 | ng/uL | 98       |
| 76) Pentachlorobenzene        | 14.834 | 250  | 276901   | 18.932 | ng/uL | 95       |
| 77) Carbazole                 | 17.686 | 167  | 1077853  | 18.261 | ng/ul | 98       |
| 78) Di-n-butylphthalate       | 18.263 | 149  | 1365101  | 19.233 | ng/ul | 99       |
| 80) Fluoranthene              | 19.339 | 202  | 1282581  | 18.087 | ng/ul | 97       |
| 82) Pyrene                    | 19.704 | 202  | 1364542  | 18.189 | ng/ul | 97       |
| 83) Butylbenzylphthalate      | 20.627 | 149  | 578865   | 18.933 | ng/ul | 96       |
| 84) 3,3'-Dichlorobenzidine    | 21.404 | 252  | 337990   | 17.938 | ng/ul | 98       |
| 85) Benzo(a)anthracene        | 21.463 | 228  | 1292069  | 18.081 | ng/ul | 98       |
| 86) Bis(2-ethylhexyl)phtha... | 21.410 | 149  | 899062   | 19.010 | ng/ul | 99       |
| 87) Chrysene                  | 21.516 | 228  | 1231599  | 18.390 | ng/ul | 99       |
| 89) Di-n-octyl phthalate      | 22.345 | 149  | 1496362  | 18.054 | ng/ul | 100      |
| 90) Benzo(b)fluoranthene      | 23.127 | 252  | 1282026  | 19.035 | ng/ul | 99       |
| 91) Benzo(k)fluoranthene      | 23.180 | 252  | 1256239  | 18.223 | ng/ul | 98       |
| 93) Benzo(a)pyrene            | 23.751 | 252  | 1236571  | 19.145 | ng/ul | 95       |
| 94) Indeno(1,2,3-cd)pyrene    | 26.315 | 276  | 1490538  | 18.951 | ng/ul | 98       |
| 95) Dibenzo(a,h)anthracene    | 26.339 | 278  | 1232004  | 19.187 | ng/ul | 97       |
| 96) Benzo(g,h,i)perylene      | 27.062 | 276  | 1200813m | 18.254 | ng/ul |          |

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

