

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN031224\  
 Data File : BN030374.D  
 Acq On : 12 Mar 2024 16:56  
 Operator : MA/JU  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SSTD020325

Quant Time: Mar 13 00:29:20 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-BN030824.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Mar 08 13:57:34 2024  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 03/13/2024  
 Supervised By :mohammad ahmed 03/14/2024

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.793  | 152  | 85989    | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.587 | 136  | 369460   | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.451 | 164  | 244870   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.210 | 188  | 549789   | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.439 | 240  | 547812   | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 23.792 | 264  | 576026   | 20.000 | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.270  | 96   | 18587    | 7.295  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.675  | 84   | 112934   | 18.567 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 6.964  | 99   | 140595   | 18.428 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.140  | 67   | 73232    | 16.905 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.322  | 132  | 122430   | 20.033 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.511  | 113  | 121327   | 20.177 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 8.963  | 128  | 62058    | 20.130 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.681  | 143  | 66180    | 20.476 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.210 | 165  | 121609   | 21.097 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.740 | 131  | 181522   | 21.217 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.875 | 166  | 404659   | 20.496 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.140 | 160  | 444144   | 19.858 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.663 | 143  | 71651    | 20.468 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.451 | 176  | 339070   | 20.935 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.581 | 200  | 68214    | 19.864 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.310 | 188  | 553665   | 20.739 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.622 | 212  | 640819   | 18.420 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.639 | 264  | 596552   | 19.772 | ng/u1  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.305  | 88   | 18868    | 7.715  | ng/uL  | 93       |
| 5) Pyridine                   | 3.693  | 79   | 117415   | 18.974 | ng/u1  | 98       |
| 6) Benzaldehyde               | 6.946  | 77   | 81288m   | 22.860 | ng/u1  |          |
| 8) Phenol                     | 6.987  | 94   | 137768   | 18.147 | ng/u1  | 94       |
| 10) Bis(2-Chloroethyl)ether   | 7.234  | 93   | 106242   | 17.510 | ng/u1  | 98       |
| 12) 2-Chlorophenol            | 7.358  | 128  | 124455   | 19.791 | ng/u1  | 96       |
| 13) 2-Methylphenol            | 8.240  | 108  | 111019   | 19.505 | ng/u1  | 97       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.328  | 45   | 86663m   | 15.709 | ng/u1  |          |
| 16) Acetophenone              | 8.628  | 105  | 194103   | 20.083 | ng/u1  | 99       |
| 17) N-Nitroso-di-n-propyla... | 8.616  | 70   | 93449    | 20.208 | ng/u1  | 93       |
| 18) 4-Methylphenol            | 8.569  | 108  | 120449   | 20.027 | ng/u1  | 98       |
| 19) Hexachloroethane          | 8.858  | 117  | 57056    | 19.530 | ng/u1  | 94       |
| 22) Nitrobenzene              | 9.005  | 77   | 149573   | 18.802 | ng/u1  | 96       |
| 23) Isophorone                | 9.528  | 82   | 266800   | 19.400 | ng/u1  | 99       |
| 25) 2-Nitrophenol             | 9.710  | 139  | 70861    | 20.351 | ng/u1  | 96       |
| 26) 2,4-Dimethylphenol        | 9.775  | 107  | 145924   | 20.304 | ng/u1  | 97       |
| 27) Bis(2-Chloroethoxy)met... | 10.022 | 93   | 149880   | 18.580 | ng/u1  | 98       |
| 29) 2,4-Dichlorophenol        | 10.234 | 162  | 121985   | 21.070 | ng/u1  | 99       |
| 30) Naphthalene               | 10.640 | 128  | 422793   | 20.047 | ng/u1  | 98       |
| 32) 4-Chloroaniline           | 10.763 | 127  | 169604   | 20.382 | ng/u1  | 98       |
| 33) Hexachlorobutadiene       | 10.916 | 225  | 84138    | 20.833 | ng/u1  | 96       |
| 34) Caprolactam               | 11.546 | 113  | 37722m   | 21.881 | ng/u1  |          |
| 35) 4-Chloro-3-methylphenol   | 11.887 | 107  | 145546   | 22.216 | ng/u1  | 94       |
| 36) 2-Methylnaphthalene       | 12.257 | 142  | 294715   | 21.457 | ng/u1  | 98       |

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BNA\_N

## ClientSampleId :

SSTD020325

## Manual Integrations

## APPROVED

Reviewed By :Jagrut Upadhyay 03/13/2024  
 Supervised By :mohammad ahmed 03/14/2024

Quant Time: Mar 13 00:29:20 2024

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-BN030824.MA.M

Quant Title : SVOA CALIBRATION

QLast Update : Fri Mar 08 13:57:34 2024

Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 37) 1-Methylnaphthalene       | 12.481 | 142  | 286687   | 21.113 | ng/ul  | 94       |
| 39) 1,2,4,5-Tetrachloroben... | 12.628 | 216  | 144741   | 18.718 | ng/ul  | 95       |
| 40) Hexachlorocyclopentadiene | 12.599 | 237  | 102657   | 17.724 | ng/ul  | 92       |
| 41) 2,4,6-Trichlorophenol     | 12.875 | 196  | 99211    | 20.223 | ng/ul  | 95       |
| 42) 2,4,5-Trichlorophenol     | 12.946 | 196  | 109397   | 20.406 | ng/ul  | 93       |
| 43) 1,1'-Biphenyl             | 13.281 | 154  | 391175   | 18.928 | ng/ul  | 96       |
| 44) 2-Chloronaphthalene       | 13.322 | 162  | 309468   | 19.281 | ng/ul  | 99       |
| 45) 2-Nitroaniline            | 13.540 | 65   | 93214    | 20.143 | ng/ul  | 95       |
| 47) Dimethylphthalate         | 13.922 | 163  | 413712   | 20.618 | ng/ul  | 99       |
| 48) 2,6-Dinitrotoluene        | 14.051 | 165  | 80425    | 20.755 | ng/ul  | 98       |
| 50) Acenaphthylene            | 14.169 | 152  | 513135   | 19.719 | ng/ul  | 99       |
| 51) 3-Nitroaniline            | 14.375 | 138  | 81003    | 21.333 | ng/ul  | 93       |
| 52) Acenaphthene              | 14.516 | 153  | 344513   | 19.982 | ng/ul  | 98       |
| 53) 2,4-Dinitrophenol         | 14.581 | 184  | 43708    | 20.074 | ng/ul  | 94       |
| 55) 4-Nitrophenol             | 14.681 | 109  | 91119    | 22.960 | ng/ul  | 90       |
| 56) Dibenzofuran              | 14.851 | 168  | 465646   | 20.248 | ng/ul  | 94       |
| 57) 2,4-Dinitrotoluene        | 14.834 | 165  | 123972   | 22.417 | ng/ul  | 100      |
| 58) 2,3,4,6-Tetrachlorophenol | 15.081 | 232  | 93739    | 21.726 | ng/ul  | 95       |
| 59) Diethylphthalate          | 15.298 | 149  | 459754   | 21.437 | ng/ul  | 99       |
| 61) Fluorene                  | 15.504 | 166  | 400755   | 21.109 | ng/ul  | 98       |
| 62) 4-Chlorophenyl-phenyle... | 15.504 | 204  | 188633   | 20.755 | ng/ul  | 95       |
| 63) 4-Nitroaniline            | 15.540 | 138  | 83226m   | 23.674 | ng/ul  |          |
| 66) 4,6-Dinitro-2-methylph... | 15.598 | 198  | 72089    | 19.455 | ng/ul  | 96       |
| 67) N-Nitrosodiphenylamine    | 15.722 | 169  | 336207   | 19.382 | ng/ul  | 98       |
| 68) 4-Bromophenyl-phenylether | 16.404 | 248  | 116620   | 19.798 | ng/ul# | 85       |
| 69) Hexachlorobenzene         | 16.504 | 284  | 135805   | 21.052 | ng/ul  | 94       |
| 70) Atrazine                  | 16.692 | 200  | 129488   | 21.690 | ng/ul  | 96       |
| 71) Pentachlorophenol         | 16.857 | 266  | 85441    | 19.573 | ng/ul  | 96       |
| 72) Phenanthrene              | 17.257 | 178  | 642889   | 20.050 | ng/ul  | 99       |
| 74) Anthracene                | 17.345 | 178  | 659709   | 20.226 | ng/ul  | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 13.240 | 216  | 144013   | 17.547 | ng/uL  | 98       |
| 76) Pentachlorobenzene        | 14.763 | 250  | 144538   | 18.884 | ng/uL  | 98       |
| 77) Carbazole                 | 17.628 | 167  | 589946   | 20.367 | ng/ul  | 100      |
| 78) Di-n-butylphthalate       | 18.204 | 149  | 847067   | 21.045 | ng/ul  | 99       |
| 80) Fluoranthene              | 19.286 | 202  | 766803   | 17.988 | ng/ul  | 97       |
| 82) Pyrene                    | 19.651 | 202  | 803882   | 18.347 | ng/ul  | 98       |
| 83) Butylbenzylphthalate      | 20.580 | 149  | 411388   | 19.599 | ng/ul  | 99       |
| 84) 3,3'-Dichlorobenzidine    | 21.363 | 252  | 261141   | 21.936 | ng/ul  | 99       |
| 85) Benzo(a)anthracene        | 21.422 | 228  | 806972   | 19.630 | ng/ul  | 98       |
| 86) Bis(2-ethylhexyl)phtha... | 21.375 | 149  | 624067   | 19.643 | ng/ul  | 98       |
| 87) Chrysene                  | 21.475 | 228  | 760872   | 19.957 | ng/ul  | 98       |
| 89) Di-n-octyl phthalate      | 22.298 | 149  | 1059363  | 19.647 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 23.074 | 252  | 763810   | 20.111 | ng/ul  | 96       |
| 91) Benzo(k)fluoranthene      | 23.127 | 252  | 793665   | 20.233 | ng/ul  | 96       |
| 93) Benzo(a)pyrene            | 23.686 | 252  | 711446   | 19.792 | ng/ul  | 98       |
| 94) Indeno(1,2,3-cd)pyrene    | 26.215 | 276  | 749982   | 17.544 | ng/ul  | 98       |
| 95) Dibenzo(a,h)anthracene    | 26.239 | 278  | 627131   | 17.996 | ng/ul  | 98       |
| 96) Benzo(g,h,i)perylene      | 26.951 | 276  | 579111   | 16.726 | ng/ul# | 93       |

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

