

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN013025\  
 Data File : BN036137.D  
 Acq On : 30 Jan 2025 17:44  
 Operator : RC/JU  
 Sample : SSTDICV020  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SICV202

Quant Time: Jan 30 18:12:44 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-BN013025.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Jan 30 17:36:07 2025  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

Reviewed By :Jagrut  
 Upadhyay

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.792  | 152  | 90308    | 20.000 | ng/u1 | 0.00     |
| 20) Naphthalene-d8            | 10.586 | 136  | 354570   | 20.000 | ng/u1 | 0.00     |
| 38) Acenaphthene-d10          | 14.439 | 164  | 236283   | 20.000 | ng/u1 | 0.00     |
| 64) Phenanthrene-d10          | 17.180 | 188  | 459589   | 20.000 | ng/u1 | 0.00     |
| 79) Chrysene-d12              | 21.427 | 240  | 389342   | 20.000 | ng/u1 | 0.00     |
| 88) Perylene-d12              | 24.456 | 264  | 327853   | 20.000 | ng/u1 | 0.00     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 3) 1,4-Dioxane-d8             | 3.257  | 96   | 17690    | 7.982  | ng/uL | 0.00     |
| 4) Pyridine-d5                | 3.675  | 84   | 131079   | 20.765 | ng/u1 | 0.00     |
| 7) Phenol-d5                  | 6.993  | 99   | 154476   | 20.642 | ng/u1 | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.128  | 67   | 107757   | 22.438 | ng/u1 | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.340  | 132  | 123813   | 21.133 | ng/u1 | 0.00     |
| 15) 4-Methylphenol-d8         | 8.522  | 113  | 123409   | 20.527 | ng/u1 | 0.00     |
| 21) Nitrobenzene-d5           | 8.951  | 128  | 58848    | 20.673 | ng/u1 | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.669  | 143  | 65801    | 20.373 | ng/u1 | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.228 | 165  | 122345   | 20.979 | ng/u1 | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.728 | 131  | 164254   | 21.439 | ng/u1 | 0.00     |
| 46) Dimethylphthalate-d6      | 13.851 | 166  | 364491   | 20.455 | ng/u1 | 0.00     |
| 49) Acenaphthylene-d8         | 14.127 | 160  | 413935   | 20.863 | ng/u1 | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.686 | 143  | 60947    | 19.819 | ng/u1 | 0.00     |
| 60) Fluorene-d10              | 15.433 | 176  | 301149   | 20.190 | ng/u1 | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.545 | 200  | 60108    | 19.761 | ng/u1 | 0.00     |
| 73) Anthracene-d10            | 17.280 | 188  | 469018   | 21.008 | ng/u1 | 0.00     |
| 81) Pyrene-d10                | 19.574 | 212  | 516627   | 22.280 | ng/u1 | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.250 | 264  | 360219   | 20.895 | ng/u1 | 0.00     |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.293  | 88   | 18784    | 7.935  | ng/uL | 94       |
| 5) Pyridine                   | 3.693  | 79   | 116333   | 18.145 | ng/u1 | 96       |
| 6) Benzaldehyde               | 6.934  | 77   | 89818    | 20.102 | ng/u1 | 95       |
| 8) Phenol                     | 7.022  | 94   | 151060   | 19.552 | ng/u1 | 98       |
| 10) Bis(2-Chloroethyl)ether   | 7.216  | 93   | 121247   | 19.970 | ng/u1 | 99       |
| 12) 2-Chlorophenol            | 7.375  | 128  | 117856   | 19.734 | ng/u1 | 98       |
| 13) 2-Methylphenol            | 8.257  | 108  | 110823   | 19.426 | ng/u1 | 96       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.316  | 45   | 179912   | 19.413 | ng/u1 | 98       |
| 16) Acetophenone              | 8.616  | 105  | 194426   | 19.835 | ng/u1 | 99       |
| 17) N-Nitroso-di-n-propyla... | 8.604  | 70   | 99470    | 19.273 | ng/u1 | 99       |
| 18) 4-Methylphenol            | 8.587  | 108  | 119024   | 19.122 | ng/u1 | 99       |
| 19) Hexachloroethane          | 8.875  | 117  | 54539    | 19.768 | ng/u1 | 90       |
| 22) Nitrobenzene              | 8.992  | 77   | 154588   | 19.704 | ng/u1 | 98       |
| 23) Isophorone                | 9.522  | 82   | 265916   | 19.124 | ng/u1 | 99       |
| 25) 2-Nitrophenol             | 9.704  | 139  | 66584    | 19.267 | ng/u1 | 99       |
| 26) 2,4-Dimethylphenol        | 9.781  | 107  | 119835   | 17.020 | ng/u1 | 98       |
| 27) Bis(2-Chloroethoxy)met... | 9.998  | 93   | 155131   | 19.008 | ng/u1 | 99       |
| 29) 2,4-Dichlorophenol        | 10.257 | 162  | 113724   | 19.356 | ng/u1 | 95       |
| 30) Naphthalene               | 10.639 | 128  | 375563   | 19.688 | ng/u1 | 99       |
| 32) 4-Chloroaniline           | 10.745 | 127  | 156088   | 21.107 | ng/u1 | 96       |
| 33) Hexachlorobutadiene       | 10.933 | 225  | 84512    | 19.706 | ng/u1 | 94       |
| 34) Caprolactam               | 11.528 | 113  | 35104    | 18.462 | ng/u1 | 95       |
| 35) 4-Chloro-3-methylphenol   | 11.904 | 107  | 128915   | 19.100 | ng/u1 | 98       |
| 36) 2-Methylnaphthalene       | 12.251 | 142  | 262448   | 19.627 | ng/u1 | 95       |

01/31/2025  
 Supervised By :mohammad  
 Ahmed

02/04/2025

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Quant Title : SVOA CALIBRATION

QLast Update : Thu Jan 30 17:36:07 2025

Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |                         |
|-------------------------------|--------|------|----------|--------|--------|----------|-------------------------|
| 37) 1-Methylnaphthalene       | 12.475 | 142  | 245425   | 18.683 | ng/ul  | 97       | 01/31/2025              |
| 39) 1,2,4,5-Tetrachloroben... | 12.628 | 216  | 149463   | 19.797 | ng/ul  | 97       | Supervised By :mohammad |
| 40) Hexachlorocyclopentadiene | 12.610 | 237  | 82943    | 19.682 | ng/ul  | 95       | ahmed                   |
| 41) 2,4,6-Trichlorophenol     | 12.875 | 196  | 91310    | 18.757 | ng/ul  | 94       |                         |
| 42) 2,4,5-Trichlorophenol     | 12.969 | 196  | 98668    | 18.729 | ng/ul  | 96       |                         |
| 43) 1,1'-Biphenyl             | 13.269 | 154  | 353267   | 20.142 | ng/ul  | 98       |                         |
| 44) 2-Chloronaphthalene       | 13.310 | 162  | 269344   | 19.533 | ng/ul  | 97       | 02/04/2025              |
| 45) 2-Nitroaniline            | 13.516 | 65   | 91703    | 19.505 | ng/ul  | 96       |                         |
| 47) Dimethylphthalate         | 13.892 | 163  | 342749   | 19.208 | ng/ul  | 99       |                         |
| 48) 2,6-Dinitrotoluene        | 14.010 | 165  | 71633    | 20.354 | ng/ul  | 98       |                         |
| 50) Acenaphthylene            | 14.157 | 152  | 419720   | 20.103 | ng/ul  | 98       |                         |
| 51) 3-Nitroaniline            | 14.339 | 138  | 71324    | 20.226 | ng/ul  | 97       |                         |
| 52) Acenaphthene              | 14.504 | 153  | 293864   | 19.552 | ng/ul  | 97       |                         |
| 53) 2,4-Dinitrophenol         | 14.545 | 184  | 40610    | 18.365 | ng/ul  | 98       |                         |
| 55) 4-Nitrophenol             | 14.698 | 109  | 58572    | 17.864 | ng/ul  | 97       |                         |
| 56) Dibenzofuran              | 14.833 | 168  | 409419   | 19.676 | ng/ul  | 96       |                         |
| 57) 2,4-Dinitrotoluene        | 14.798 | 165  | 100500   | 19.085 | ng/ul  | 95       |                         |
| 58) 2,3,4,6-Tetrachlorophenol | 15.069 | 232  | 85078m   | 19.346 | ng/ul  |          |                         |
| 59) Diethylphthalate          | 15.263 | 149  | 347159   | 18.860 | ng/ul  | 99       |                         |
| 61) Fluorene                  | 15.486 | 166  | 325137   | 19.269 | ng/ul  | 96       |                         |
| 62) 4-Chlorophenyl-phenyle... | 15.480 | 204  | 170010   | 19.487 | ng/ul  | 97       |                         |
| 63) 4-Nitroaniline            | 15.504 | 138  | 74873    | 21.702 | ng/ul  | 88       |                         |
| 66) 4,6-Dinitro-2-methylph... | 15.563 | 198  | 61031    | 18.895 | ng/ul  | 96       |                         |
| 67) N-Nitrosodiphenylamine    | 15.698 | 169  | 282883   | 20.280 | ng/ul  | 98       |                         |
| 68) 4-Bromophenyl-phenylether | 16.374 | 248  | 96823    | 19.663 | ng/ul  | 92       |                         |
| 69) Hexachlorobenzene         | 16.492 | 284  | 104102   | 19.380 | ng/ul# | 91       |                         |
| 70) Atrazine                  | 16.651 | 200  | 103739   | 18.869 | ng/ul  | 99       |                         |
| 71) Pentachlorophenol         | 16.839 | 266  | 63476    | 17.311 | ng/ul  | 92       |                         |
| 72) Phenanthrene              | 17.221 | 178  | 497667   | 19.314 | ng/ul  | 100      |                         |
| 74) Anthracene                | 17.316 | 178  | 506658   | 19.540 | ng/ul  | 99       |                         |
| 75) 1,2,3,4-Tetrachloroben... | 13.233 | 216  | 140410   | 19.631 | ng/ul  | 96       |                         |
| 76) Pentachlorobenzene        | 14.757 | 250  | 131257   | 18.783 | ng/ul  | 96       |                         |
| 77) Carbazole                 | 17.586 | 167  | 446904   | 19.647 | ng/ul  | 97       |                         |
| 78) Di-n-butylphthalate       | 18.157 | 149  | 573231   | 18.919 | ng/ul  | 100      |                         |
| 80) Fluoranthene              | 19.239 | 202  | 555601   | 20.512 | ng/ul  | 99       |                         |
| 82) Pyrene                    | 19.604 | 202  | 582169   | 20.274 | ng/ul  | 99       |                         |
| 83) Butylbenzylphthalate      | 20.509 | 149  | 243277   | 19.702 | ng/ul  | 98       |                         |
| 84) 3,3'-Dichlorobenzidine    | 21.333 | 252  | 166547   | 24.221 | ng/ul  | 99       |                         |
| 85) Benzo(a)anthracene        | 21.409 | 228  | 516099   | 19.280 | ng/ul  | 97       |                         |
| 86) Bis(2-ethylhexyl)phtha... | 21.339 | 149  | 334076   | 18.832 | ng/ul  | 98       |                         |
| 87) Chrysene                  | 21.474 | 228  | 476888   | 18.790 | ng/ul  | 97       |                         |
| 89) Di-n-octyl phthalate      | 22.486 | 149  | 523118   | 19.417 | ng/ul  | 100      |                         |
| 90) Benzo(b)fluoranthene      | 23.503 | 252  | 417612   | 19.264 | ng/ul  | 97       |                         |
| 91) Benzo(k)fluoranthene      | 23.562 | 252  | 428479   | 19.850 | ng/ul  | 99       |                         |
| 93) Benzo(a)pyrene            | 24.315 | 252  | 396702   | 20.937 | ng/ul  | 100      |                         |
| 94) Indeno(1,2,3-cd)pyrene    | 27.868 | 276  | 437789m  | 21.236 | ng/ul  |          |                         |
| 95) Dibenzo(a,h)anthracene    | 27.933 | 278  | 356637   | 21.691 | ng/ul  | 96       |                         |
| 96) Benzo(g,h,i)perylene      | 28.938 | 276  | 324962   | 20.711 | ng/ul  | 99       |                         |

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

