

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN013025\  
 Data File : BN036134.D  
 Acq On : 30 Jan 2025 15:46  
 Operator : RC/JU  
 Sample : SSTD04008  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SSTD040248

Manual Integrations  
 APPROVED

Reviewed By :Jagrut Upadhyay 01/31/2025  
 Supervised By :mohammad ahmed 02/04/2025

Quant Time: Jan 30 16:30:17 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-BN013025.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Jan 30 15:42:04 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.793  | 152  | 104046   | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.593 | 136  | 427034   | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.439 | 164  | 290236   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.180 | 188  | 581421   | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.433 | 240  | 517242   | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 24.462 | 264  | 447484   | 20.000 | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.258  | 96   | 40574    | 15.829 | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.669  | 84   | 300674   | 42.197 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 6.993  | 99   | 355789   | 45.291 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.128  | 67   | 229735   | 46.001 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.340  | 132  | 283082   | 45.458 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.528  | 113  | 290908   | 47.448 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 8.951  | 128  | 141529   | 45.763 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.675  | 143  | 164993   | 55.316 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.234 | 165  | 293064   | 45.602 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.728 | 131  | 383371   | 42.688 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.851 | 166  | 879545   | 43.775 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.134 | 160  | 981537   | 40.356 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.686 | 143  | 155747   | 43.232 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.433 | 176  | 731684   | 40.711 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.551 | 200  | 159404   | 54.707 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.286 | 188  | 1140296  | 39.791 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.580 | 212  | 1270099  | 46.166 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.257 | 264  | 965289   | 43.438 | ng/u1  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.293  | 88   | 44775    | 16.140 | ng/uL  | 96       |
| 5) Pyridine                   | 3.693  | 79   | 302008   | 41.478 | ng/u1  | 98       |
| 6) Benzaldehyde               | 6.934  | 77   | 230024   | 48.980 | ng/u1  | 95       |
| 8) Phenol                     | 7.022  | 94   | 362287   | 43.669 | ng/u1  | 98       |
| 10) Bis(2-Chloroethyl)ether   | 7.222  | 93   | 291114   | 45.627 | ng/u1  | 98       |
| 12) 2-Chlorophenol            | 7.375  | 128  | 285931   | 43.892 | ng/u1  | 98       |
| 13) 2-Methylphenol            | 8.263  | 108  | 272946   | 45.676 | ng/u1  | 97       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.316  | 45   | 444768   | 47.791 | ng/u1  | 99       |
| 16) Acetophenone              | 8.616  | 105  | 475437   | 46.269 | ng/u1  | 99       |
| 17) N-Nitroso-di-n-propyla... | 8.610  | 70   | 252821   | 52.032 | ng/u1  | 99       |
| 18) 4-Methylphenol            | 8.593  | 108  | 301816   | 46.807 | ng/u1  | 91       |
| 19) Hexachloroethane          | 8.875  | 117  | 132987   | 43.301 | ng/u1  | 96       |
| 22) Nitrobenzene              | 8.993  | 77   | 386970   | 44.236 | ng/u1  | 98       |
| 23) Isophorone                | 9.528  | 82   | 697722   | 47.728 | ng/u1  | 99       |
| 25) 2-Nitrophenol             | 9.704  | 139  | 172576   | 50.852 | ng/u1  | 96       |
| 26) 2,4-Dimethylphenol        | 9.781  | 107  | 341354   | 42.633 | ng/u1  | 100      |
| 27) Bis(2-Chloroethoxy)met... | 10.004 | 93   | 395447   | 45.777 | ng/u1  | 97       |
| 29) 2,4-Dichlorophenol        | 10.257 | 162  | 293720   | 44.463 | ng/u1  | 99       |
| 30) Naphthalene               | 10.640 | 128  | 921357   | 40.541 | ng/u1  | 100      |
| 32) 4-Chloroaniline           | 10.751 | 127  | 368413   | 42.307 | ng/u1  | 97       |
| 33) Hexachlorobutadiene       | 10.934 | 225  | 205036   | 37.471 | ng/u1  | 95       |
| 34) Caprolactam               | 11.540 | 113  | 96388m   | 47.435 | ng/u1  |          |
| 35) 4-Chloro-3-methylphenol   | 11.910 | 107  | 339146   | 49.725 | ng/u1  | 96       |
| 36) 2-Methylnaphthalene       | 12.257 | 142  | 650751   | 43.313 | ng/u1  | 99       |

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## Instrument :

BNA\_N

## ClientSampleId :

SSTD040248

## Manual Integrations

## APPROVED

Reviewed By :Jagrut Upadhyay 01/31/2025  
 Supervised By :mohammad ahmed 02/04/2025

Quant Time: Jan 30 16:30:17 2025

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-BN013025.MA.M

Quant Title : SVOA CALIBRATION

QLast Update : Thu Jan 30 15:42:04 2025

Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 37) 1-Methylnaphthalene       | 12.475 | 142  | 639908   | 43.134 | ng/ul  | 97       |
| 39) 1,2,4,5-Tetrachloroben... | 12.628 | 216  | 373488   | 37.210 | ng/ul  | 97       |
| 40) Hexachlorocyclopentadiene | 12.610 | 237  | 210202   | 39.232 | ng/ul  | 91       |
| 41) 2,4,6-Trichlorophenol     | 12.875 | 196  | 247250   | 45.075 | ng/ul  | 93       |
| 42) 2,4,5-Trichlorophenol     | 12.969 | 196  | 269561   | 44.304 | ng/ul  | 97       |
| 43) 1,1'-Biphenyl             | 13.269 | 154  | 853992   | 38.976 | ng/ul  | 100      |
| 44) 2-Chloronaphthalene       | 13.310 | 162  | 676664   | 38.610 | ng/ul  | 99       |
| 45) 2-Nitroaniline            | 13.516 | 65   | 241420   | 52.731 | ng/ul  | 99       |
| 47) Dimethylphthalate         | 13.898 | 163  | 877025   | 43.471 | ng/ul  | 99       |
| 48) 2,6-Dinitrotoluene        | 14.016 | 165  | 184403   | 52.455 | ng/ul  | 96       |
| 50) Acenaphthylene            | 14.163 | 152  | 1020605  | 39.720 | ng/ul  | 98       |
| 51) 3-Nitroaniline            | 14.345 | 138  | 181420   | 47.292 | ng/ul  | 94       |
| 52) Acenaphthene              | 14.504 | 153  | 735401   | 39.606 | ng/ul  | 99       |
| 53) 2,4-Dinitrophenol         | 14.545 | 184  | 113982   | 58.466 | ng/ul  | 93       |
| 55) 4-Nitrophenol             | 14.704 | 109  | 167074   | 43.953 | ng/ul  | 99       |
| 56) Dibenzofuran              | 14.839 | 168  | 1012538  | 39.568 | ng/ul  | 98       |
| 57) 2,4-Dinitrotoluene        | 14.798 | 165  | 273820   | 52.519 | ng/ul  | 98       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.075 | 232  | 219225   | 47.803 | ng/ul# | 98       |
| 59) Diethylphthalate          | 15.269 | 149  | 907295   | 45.874 | ng/ul  | 99       |
| 61) Fluorene                  | 15.486 | 166  | 818404   | 39.944 | ng/ul  | 99       |
| 62) 4-Chlorophenyl-phenyle... | 15.481 | 204  | 430290   | 41.109 | ng/ul  | 100      |
| 63) 4-Nitroaniline            | 15.510 | 138  | 183437   | 49.113 | ng/ul  | 93       |
| 66) 4,6-Dinitro-2-methylph... | 15.569 | 198  | 165767   | 51.066 | ng/ul  | 96       |
| 67) N-Nitrosodiphenylamine    | 15.698 | 169  | 710661   | 40.988 | ng/ul  | 99       |
| 68) 4-Bromophenyl-phenylether | 16.375 | 248  | 246011   | 40.552 | ng/ul  | 87       |
| 69) Hexachlorobenzene         | 16.492 | 284  | 279296   | 41.032 | ng/ul  | 96       |
| 70) Atrazine                  | 16.657 | 200  | 295096   | 45.324 | ng/ul  | 96       |
| 71) Pentachlorophenol         | 16.845 | 266  | 189714   | 44.987 | ng/ul  | 97       |
| 72) Phenanthrene              | 17.227 | 178  | 1319850  | 40.153 | ng/ul  | 100      |
| 74) Anthracene                | 17.316 | 178  | 1320762  | 40.375 | ng/ul  | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 13.239 | 216  | 374422   | 38.459 | ng/ul  | 99       |
| 76) Pentachlorobenzene        | 14.763 | 250  | 356708   | 38.364 | ng/ul  | 93       |
| 77) Carbazole                 | 17.586 | 167  | 1179460  | 40.059 | ng/ul  | 98       |
| 78) Di-n-butylphthalate       | 18.157 | 149  | 1539893  | 50.598 | ng/ul  | 99       |
| 80) Fluoranthene              | 19.245 | 202  | 1523253  | 47.714 | ng/ul  | 97       |
| 82) Pyrene                    | 19.610 | 202  | 1608755  | 46.650 | ng/ul  | 98       |
| 83) Butylbenzylphthalate      | 20.510 | 149  | 699624   | 70.987 | ng/ul  | 98       |
| 84) 3,3'-Dichlorobenzidine    | 21.339 | 252  | 380404   | 41.028 | ng/ul  | 98       |
| 85) Benzo(a)anthracene        | 21.416 | 228  | 1446848  | 41.881 | ng/ul  | 98       |
| 86) Bis(2-ethylhexyl)phtha... | 21.345 | 149  | 981331   | 66.882 | ng/ul  | 98       |
| 87) Chrysene                  | 21.480 | 228  | 1334162  | 40.098 | ng/ul  | 98       |
| 89) Di-n-octyl phthalate      | 22.492 | 149  | 1604054  | 72.298 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 23.504 | 252  | 1189356  | 44.791 | ng/ul  | 98       |
| 91) Benzo(k)fluoranthene      | 23.574 | 252  | 1201896  | 44.338 | ng/ul  | 98       |
| 93) Benzo(a)pyrene            | 24.327 | 252  | 1042500  | 41.434 | ng/ul  | 98       |
| 94) Indeno(1,2,3-cd)pyrene    | 27.892 | 276  | 1166229m | 37.535 | ng/ul  |          |
| 95) Dibenzo(a,h)anthracene    | 27.939 | 278  | 938912   | 37.735 | ng/ul  | 96       |
| 96) Benzo(g,h,i)perylene      | 28.950 | 276  | 887930   | 36.463 | ng/ul  | 99       |

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

