

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN071825\  
 Data File : BN037524.D  
 Acq On : 18 Jul 2025 15:16  
 Operator : RC/JU  
 Sample : SSTD08039  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SSTD080235

Quant Time: Jul 18 16:13:41 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-BN071825.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Jul 18 16:09:51 2025  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Rahul Chavli 07/21/2025  
 Supervised By :Jagrut Upadhyay 07/21/2025

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.722  | 152  | 91884    | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.504 | 136  | 361985   | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.357 | 164  | 211317   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.098 | 188  | 384379   | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.327 | 240  | 367863   | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 24.268 | 264  | 387297   | 20.000 | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.199  | 96   | 63992    | 33.005 | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.605  | 84   | 464484   | 81.961 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 6.887  | 99   | 554378   | 81.297 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.058  | 67   | 338362   | 81.534 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.258  | 132  | 491820   | 85.274 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.428  | 113  | 451557   | 80.538 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 8.869  | 128  | 238170   | 87.538 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.593  | 143  | 247079   | 98.803 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.128 | 165  | 443951   | 85.200 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.640 | 131  | 614787   | 78.868 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.775 | 166  | 1204248  | 80.292 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.051 | 160  | 1465623  | 83.239 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.551 | 143  | 236666   | 83.724 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.351 | 176  | 1020096  | 78.780 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.469 | 200  | 196659   | 98.307 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.198 | 188  | 1527766  | 80.783 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.492 | 212  | 1581267  | 81.828 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.074 | 264  | 1700653  | 87.072 | ng/u1  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.234  | 88   | 68345    | 31.733 | ng/uL  | 96       |
| 5) Pyridine                   | 3.622  | 79   | 468548   | 80.537 | ng/u1  | 96       |
| 6) Benzaldehyde               | 6.858  | 77   | 195989   | 54.419 | ng/u1  | 97       |
| 8) Phenol                     | 6.916  | 94   | 571745   | 81.587 | ng/u1  | 99       |
| 10) Bis(2-Chloroethyl)ether   | 7.152  | 93   | 461022   | 80.498 | ng/u1  | 98       |
| 12) 2-Chlorophenol            | 7.287  | 128  | 499933   | 85.048 | ng/u1  | 98       |
| 13) 2-Methylphenol            | 8.157  | 108  | 429380   | 81.063 | ng/u1  | 99       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.252  | 45   | 661166   | 79.681 | ng/u1  | 99       |
| 16) Acetophenone              | 8.540  | 105  | 693379   | 78.091 | ng/u1  | 94       |
| 17) N-Nitroso-di-n-propyla... | 8.546  | 70   | 332546   | 82.128 | ng/u1  | 96       |
| 18) 4-Methylphenol            | 8.493  | 108  | 467004   | 81.257 | ng/u1  | 95       |
| 19) Hexachloroethane          | 8.799  | 117  | 210033   | 83.410 | ng/u1  | 97       |
| 22) Nitrobenzene              | 8.916  | 77   | 513913   | 82.945 | ng/u1  | 98       |
| 23) Isophorone                | 9.452  | 82   | 925237   | 81.758 | ng/u1  | 99       |
| 25) 2-Nitrophenol             | 9.622  | 139  | 266985   | 93.310 | ng/u1  | 99       |
| 26) 2,4-Dimethylphenol        | 9.687  | 107  | 490080   | 81.255 | ng/u1  | 96       |
| 27) Bis(2-Chloroethoxy)met... | 9.928  | 93   | 601458   | 81.888 | ng/u1  | 100      |
| 29) 2,4-Dichlorophenol        | 10.157 | 162  | 441575   | 84.234 | ng/u1  | 93       |
| 30) Naphthalene               | 10.557 | 128  | 1531376  | 79.556 | ng/u1  | 100      |
| 32) 4-Chloroaniline           | 10.663 | 127  | 612035   | 78.166 | ng/u1  | 96       |
| 33) Hexachlorobutadiene       | 10.851 | 225  | 296870   | 81.912 | ng/u1  | 95       |
| 34) Caprolactam               | 11.440 | 113  | 135319m  | 81.605 | ng/u1  |          |
| 35) 4-Chloro-3-methylphenol   | 11.793 | 107  | 443579   | 81.970 | ng/u1  | 98       |
| 36) 2-Methylnaphthalene       | 12.175 | 142  | 1047661  | 79.698 | ng/u1  | 96       |

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| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 37) 1-Methylnaphthalene       | 12.393 | 142  | 1021530  | 79.213  | ng/ul | 99       |
| 39) 1,2,4,5-Tetrachloroben... | 12.545 | 216  | 518508   | 82.232  | ng/ul | 96       |
| 40) Hexachlorocyclopentadiene | 12.534 | 237  | 360111   | 91.030  | ng/ul | 98       |
| 41) 2,4,6-Trichlorophenol     | 12.781 | 196  | 333907   | 89.718  | ng/ul | 99       |
| 42) 2,4,5-Trichlorophenol     | 12.857 | 196  | 368074   | 87.071  | ng/ul | 90       |
| 43) 1,1'-Biphenyl             | 13.193 | 154  | 1297216  | 81.599  | ng/ul | 99       |
| 44) 2-Chloronaphthalene       | 13.234 | 162  | 1020675  | 82.756  | ng/ul | 96       |
| 45) 2-Nitroaniline            | 13.428 | 65   | 269710   | 91.552  | ng/ul | 97       |
| 47) Dimethylphthalate         | 13.822 | 163  | 1183869  | 80.093  | ng/ul | 99       |
| 48) 2,6-Dinitrotoluene        | 13.934 | 165  | 259846   | 92.419  | ng/ul | 97       |
| 50) Acenaphthylene            | 14.081 | 152  | 1613861  | 80.198  | ng/ul | 99       |
| 51) 3-Nitroaniline            | 14.251 | 138  | 214252   | 74.726  | ng/ul | 98       |
| 52) Acenaphthene              | 14.422 | 153  | 1055372  | 80.717  | ng/ul | 96       |
| 53) 2,4-Dinitrophenol         | 14.457 | 184  | 138235   | 103.075 | ng/ul | 98       |
| 55) 4-Nitrophenol             | 14.569 | 109  | 163475   | 80.181  | ng/ul | 92       |
| 56) Dibenzofuran              | 14.757 | 168  | 1432335  | 79.040  | ng/ul | 98       |
| 57) 2,4-Dinitrotoluene        | 14.716 | 165  | 363925   | 88.530  | ng/ul | 100      |
| 58) 2,3,4,6-Tetrachlorophenol | 14.981 | 232  | 293386   | 88.636  | ng/ul | 99       |
| 59) Diethylphthalate          | 15.192 | 149  | 1217021  | 81.922  | ng/ul | 97       |
| 61) Fluorene                  | 15.410 | 166  | 1149412  | 77.624  | ng/ul | 98       |
| 62) 4-Chlorophenyl-phenyle... | 15.404 | 204  | 581105   | 79.412  | ng/ul | 95       |
| 63) 4-Nitroaniline            | 15.422 | 138  | 192672   | 69.516  | ng/ul | 98       |
| 66) 4,6-Dinitro-2-methylph... | 15.481 | 198  | 204529   | 93.370  | ng/ul | 99       |
| 67) N-Nitrosodiphenylamine    | 15.616 | 169  | 982794   | 82.216  | ng/ul | 99       |
| 68) 4-Bromophenyl-phenylether | 16.298 | 248  | 353897   | 83.489  | ng/ul | 96       |
| 69) Hexachlorobenzene         | 16.410 | 284  | 415042   | 82.535  | ng/ul | 99       |
| 70) Atrazine                  | 16.575 | 200  | 356780   | 83.334  | ng/ul | 97       |
| 71) Pentachlorophenol         | 16.745 | 266  | 268980   | 89.205  | ng/ul | 99       |
| 72) Phenanthrene              | 17.139 | 178  | 1738858  | 79.681  | ng/ul | 99       |
| 74) Anthracene                | 17.233 | 178  | 1758712  | 79.394  | ng/ul | 97       |
| 75) 1,2,3,4-Tetrachloroben... | 13.151 | 216  | 529727   | 86.122  | ng/ul | 96       |
| 76) Pentachlorobenzene        | 14.681 | 250  | 510554   | 84.741  | ng/ul | 97       |
| 77) Carbazole                 | 17.498 | 167  | 1563506  | 79.173  | ng/ul | 99       |
| 78) Di-n-butylphthalate       | 18.080 | 149  | 2034886  | 86.318  | ng/ul | 99       |
| 80) Fluoranthene              | 19.157 | 202  | 1874368  | 81.707  | ng/ul | 99       |
| 82) Pyrene                    | 19.522 | 202  | 1948723  | 81.383  | ng/ul | 99       |
| 83) Butylbenzylphthalate      | 20.433 | 149  | 802306   | 96.544  | ng/ul | 96       |
| 84) 3,3'-Dichlorobenzidine    | 21.233 | 252  | 599719   | 84.448  | ng/ul | 98       |
| 85) Benzo(a)anthracene        | 21.310 | 228  | 1933541  | 80.855  | ng/ul | 99       |
| 86) Bis(2-ethylhexyl)phtha... | 21.257 | 149  | 1315246  | 95.311  | ng/ul | 97       |
| 87) Chrysene                  | 21.369 | 228  | 1841332  | 81.116  | ng/ul | 97       |
| 89) Di-n-octyl phthalate      | 22.380 | 149  | 2142190  | 92.163  | ng/ul | 100      |
| 90) Benzo(b)fluoranthene      | 23.345 | 252  | 1918378  | 84.288  | ng/ul | 94       |
| 91) Benzo(k)fluoranthene      | 23.410 | 252  | 1981046  | 83.886  | ng/ul | 98       |
| 93) Benzo(a)pyrene            | 24.139 | 252  | 1841305  | 84.328  | ng/ul | 98       |
| 94) Indeno(1,2,3-cd)pyrene    | 27.592 | 276  | 2385068  | 86.069  | ng/ul | 96       |
| 95) Dibenzo(a,h)anthracene    | 27.656 | 278  | 1978694  | 85.554  | ng/ul | 100      |
| 96) Benzo(g,h,i)perylene      | 28.627 | 276  | 1898054  | 84.651  | ng/ul | 98       |

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

