

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN060524\  
 Data File : BN031796.D  
 Acq On : 05 Jun 2024 12:29  
 Operator : MA/JU  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

## Instrument :

BNA\_N

## ClientSampleId :

SSTD020274

## Manual Integrations

## APPROVED

Reviewed By :Jagrut Upadhyay 06/05/2024  
 Supervised By :mohammad ahmed 06/07/2024

Quant Time: Jun 05 13:27:29 2024

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-BN052924.MA.M

Quant Title : SVOA CALIBRATION

QLast Update : Wed May 29 15:13:07 2024

Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.675  | 152  | 239705   | 20.000 | ng/ul  | -0.01    |
| 20) Naphthalene-d8            | 10.457 | 136  | 1100507  | 20.000 | ng/ul  | -0.01    |
| 38) Acenaphthene-d10          | 14.316 | 164  | 772162   | 20.000 | ng/ul  | -0.01    |
| 64) Phenanthrene-d10          | 17.069 | 188  | 1691772  | 20.000 | ng/ul  | 0.00     |
| 79) Chrysene-d12              | 21.304 | 240  | 1820585  | 20.000 | ng/ul  | 0.00     |
| 88) Perylene-d12              | 24.245 | 264  | 2238373  | 20.000 | ng/ul  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.181  | 96   | 51424    | 8.875  | ng/uL  | -0.01    |
| 4) Pyridine-d5                | 3.587  | 84   | 380494   | 23.329 | ng/ul  | -0.01    |
| 7) Phenol-d5                  | 6.846  | 99   | 486119   | 23.656 | ng/ul  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.016  | 67   | 267725   | 22.273 | ng/ul  | -0.01    |
| 11) 2-Chlorophenol-d4         | 7.210  | 132  | 361697   | 23.068 | ng/ul  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.381  | 113  | 400264   | 23.895 | ng/ul  | 0.00     |
| 21) Nitrobenzene-d5           | 8.828  | 128  | 195777   | 23.267 | ng/ul  | -0.01    |
| 24) 2-Nitrophenol-d4          | 9.546  | 143  | 214168   | 24.640 | ng/ul  | -0.01    |
| 28) 2,4-Dichlorophenol-d3     | 10.081 | 165  | 373755   | 23.033 | ng/ul  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.598 | 131  | 591291   | 24.542 | ng/ul  | -0.01    |
| 46) Dimethylphthalate-d6      | 13.734 | 166  | 1251702  | 23.269 | ng/ul  | -0.01    |
| 49) Acenaphthylene-d8         | 14.010 | 160  | 1398558  | 22.611 | ng/ul  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.528 | 143  | 276485   | 25.670 | ng/ul  | 0.00     |
| 60) Fluorene-d10              | 15.316 | 176  | 1050610  | 23.082 | ng/ul  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.445 | 200  | 211028   | 24.816 | ng/ul  | 0.00     |
| 73) Anthracene-d10            | 17.163 | 188  | 1706253  | 23.558 | ng/ul  | 0.00     |
| 81) Pyrene-d10                | 19.463 | 212  | 2044077  | 20.981 | ng/ul  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.045 | 264  | 2414446  | 22.590 | ng/ul  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.216  | 88   | 54141    | 8.733  | ng/uL  | 99       |
| 5) Pyridine                   | 3.611  | 79   | 385455   | 23.636 | ng/ul  | 98       |
| 6) Benzaldehyde               | 6.828  | 77   | 208827   | 21.666 | ng/ul  | 99       |
| 8) Phenol                     | 6.875  | 94   | 494054   | 23.624 | ng/ul  | 99       |
| 10) Bis(2-Chloroethyl)ether   | 7.105  | 93   | 397793   | 23.003 | ng/ul  | 99       |
| 12) 2-Chlorophenol            | 7.240  | 128  | 380051   | 23.162 | ng/ul  | 99       |
| 13) 2-Methylphenol            | 8.116  | 108  | 385114   | 23.842 | ng/ul  | 98       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.199  | 45   | 432176   | 21.710 | ng/ul  | 98       |
| 16) Acetophenone              | 8.499  | 105  | 630212   | 24.825 | ng/ul  | 99       |
| 17) N-Nitroso-di-n-propyla... | 8.481  | 70   | 312230   | 23.735 | ng/ul  | 98       |
| 18) 4-Methylphenol            | 8.446  | 108  | 419127   | 23.937 | ng/ul  | 98       |
| 19) Hexachloroethane          | 8.740  | 117  | 153751   | 22.128 | ng/ul  | 98       |
| 22) Nitrobenzene              | 8.875  | 77   | 453453   | 22.619 | ng/ul  | 96       |
| 23) Isophorone                | 9.399  | 82   | 944757   | 22.973 | ng/ul  | 100      |
| 25) 2-Nitrophenol             | 9.581  | 139  | 229704   | 24.188 | ng/ul  | 97       |
| 26) 2,4-Dimethylphenol        | 9.640  | 107  | 436016   | 23.602 | ng/ul  | 100      |
| 27) Bis(2-Chloroethoxy)met... | 9.881  | 93   | 567239   | 22.131 | ng/ul  | 99       |
| 29) 2,4-Dichlorophenol        | 10.110 | 162  | 367816   | 22.956 | ng/ul  | 98       |
| 30) Naphthalene               | 10.504 | 128  | 1302936  | 22.876 | ng/ul  | 99       |
| 32) 4-Chloroaniline           | 10.622 | 127  | 574255   | 24.550 | ng/ul  | 98       |
| 33) Hexachlorobutadiene       | 10.787 | 225  | 214384   | 22.278 | ng/ul  | 95       |
| 34) Caprolactam               | 11.398 | 113  | 168228m  | 26.899 | ng/ul  |          |
| 35) 4-Chloro-3-methylphenol   | 11.751 | 107  | 458947   | 24.506 | ng/ul  | 99       |
| 36) 2-Methylnaphthalene       | 12.128 | 142  | 901808   | 23.164 | ng/ul  | 100      |

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## Manual Integrations

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Quant Time: Jun 05 13:27:29 2024

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-BN052924.MA.M

Quant Title : SVOA CALIBRATION

QLast Update : Wed May 29 15:13:07 2024

Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 37) 1-Methylnaphthalene       | 12.345 | 142  | 913101   | 23.376 | ng/ul | 97       |
| 39) 1,2,4,5-Tetrachloroben... | 12.492 | 216  | 452838   | 22.175 | ng/ul | 98       |
| 40) Hexachlorocyclopentadiene | 12.469 | 237  | 215972   | 18.350 | ng/ul | 97       |
| 41) 2,4,6-Trichlorophenol     | 12.745 | 196  | 315220   | 22.742 | ng/ul | 99       |
| 42) 2,4,5-Trichlorophenol     | 12.816 | 196  | 344898   | 22.898 | ng/ul | 99       |
| 43) 1,1'-Biphenyl             | 13.145 | 154  | 1192310  | 21.953 | ng/ul | 98       |
| 44) 2-Chloronaphthalene       | 13.187 | 162  | 935346   | 21.988 | ng/ul | 99       |
| 45) 2-Nitroaniline            | 13.398 | 65   | 291795   | 23.663 | ng/ul | 94       |
| 47) Dimethylphthalate         | 13.781 | 163  | 1279571  | 23.259 | ng/ul | 99       |
| 48) 2,6-Dinitrotoluene        | 13.904 | 165  | 259347   | 23.716 | ng/ul | 98       |
| 50) Acenaphthylene            | 14.039 | 152  | 1606806  | 22.986 | ng/ul | 99       |
| 51) 3-Nitroaniline            | 14.234 | 138  | 275217   | 23.539 | ng/ul | 97       |
| 52) Acenaphthene              | 14.381 | 153  | 1044216  | 22.576 | ng/ul | 96       |
| 53) 2,4-Dinitrophenol         | 14.445 | 184  | 141279   | 25.591 | ng/ul | 97       |
| 55) 4-Nitrophenol             | 14.545 | 109  | 201787   | 25.255 | ng/ul | 94       |
| 56) Dibenzofuran              | 14.716 | 168  | 1430795  | 22.769 | ng/ul | 97       |
| 57) 2,4-Dinitrotoluene        | 14.692 | 165  | 401254   | 25.007 | ng/ul | 100      |
| 58) 2,3,4,6-Tetrachlorophenol | 14.945 | 232  | 303589   | 24.096 | ng/ul | 99       |
| 59) Diethylphthalate          | 15.151 | 149  | 1297804  | 22.861 | ng/ul | 99       |
| 61) Fluorene                  | 15.369 | 166  | 1217625  | 24.062 | ng/ul | 97       |
| 62) 4-Chlorophenyl-phenyle... | 15.369 | 204  | 573233   | 23.387 | ng/ul | 96       |
| 63) 4-Nitroaniline            | 15.398 | 138  | 293245   | 26.346 | ng/ul | 95       |
| 66) 4,6-Dinitro-2-methylph... | 15.457 | 198  | 227412   | 25.156 | ng/ul | 95       |
| 67) N-Nitrosodiphenylamine    | 15.581 | 169  | 1065013  | 22.839 | ng/ul | 98       |
| 68) 4-Bromophenyl-phenylether | 16.263 | 248  | 369750   | 22.557 | ng/ul | 97       |
| 69) Hexachlorobenzene         | 16.369 | 284  | 409691   | 22.052 | ng/ul | 97       |
| 70) Atrazine                  | 16.539 | 200  | 324488   | 22.039 | ng/ul | 97       |
| 71) Pentachlorophenol         | 16.716 | 266  | 282616   | 23.777 | ng/ul | 96       |
| 72) Phenanthrene              | 17.110 | 178  | 1995352  | 23.153 | ng/ul | 100      |
| 74) Anthracene                | 17.198 | 178  | 2104802  | 24.103 | ng/ul | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 13.110 | 216  | 451105   | 20.716 | ng/ul | 97       |
| 76) Pentachlorobenzene        | 14.634 | 250  | 456519   | 21.524 | ng/ul | 97       |
| 77) Carbazole                 | 17.475 | 167  | 2008114  | 26.969 | ng/ul | 99       |
| 78) Di-n-butylphthalate       | 18.039 | 149  | 2459507  | 24.009 | ng/ul | 100      |
| 80) Fluoranthene              | 19.127 | 202  | 2479096  | 21.292 | ng/ul | 99       |
| 82) Pyrene                    | 19.492 | 202  | 2583546  | 21.627 | ng/ul | 100      |
| 83) Butylbenzylphthalate      | 20.404 | 149  | 1211754  | 21.477 | ng/ul | 94       |
| 84) 3,3'-Dichlorobenzidine    | 21.216 | 252  | 909363   | 26.047 | ng/ul | 96       |
| 85) Benzo(a)anthracene        | 21.286 | 228  | 2766638  | 22.703 | ng/ul | 97       |
| 86) Bis(2-ethylhexyl)phtha... | 21.216 | 149  | 1798589  | 21.868 | ng/ul | 99       |
| 87) Chrysene                  | 21.345 | 228  | 2604005  | 22.877 | ng/ul | 100      |
| 89) Di-n-octyl phthalate      | 22.327 | 149  | 3290667  | 21.959 | ng/ul | 100      |
| 90) Benzo(b)fluoranthene      | 23.315 | 252  | 2884793  | 21.562 | ng/ul | 99       |
| 91) Benzo(k)fluoranthene      | 23.374 | 252  | 2912341  | 22.183 | ng/ul | 100      |
| 93) Benzo(a)pyrene            | 24.110 | 252  | 2794633  | 22.302 | ng/ul | 99       |
| 94) Indeno(1,2,3-cd)pyrene    | 27.551 | 276  | 3374232  | 23.368 | ng/ul | 100      |
| 95) Dibenzo(a,h)anthracene    | 27.615 | 278  | 2748375  | 23.313 | ng/ul | 96       |
| 96) Benzo(g,h,i)perylene      | 28.592 | 276  | 2704257  | 23.559 | ng/ul | 98       |

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

