

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN062224\  
 Data File : BN032160.D  
 Acq On : 22 Jun 2024 10:00  
 Operator : MA/JU  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

## Instrument :

BNA\_N

## ClientSampleId :

SSTD020300

## Manual Integrations

## APPROVED

Reviewed By :Yogesh Patel 06/24/2024

Supervised By :mohammad ahmed 06/26/2024

Quant Time: Jun 23 03:41:32 2024

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

Quant Title : SVOA CALIBRATION

QLast Update : Thu Jun 20 10:49:40 2024

Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.628  | 152  | 348091   | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.410 | 136  | 1442283  | 20.000 | ng/u1  | # 0.00   |
| 38) Acenaphthene-d10          | 14.275 | 164  | 891474   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.028 | 188  | 1877383  | 20.000 | ng/u1  | # 0.00   |
| 79) Chrysene-d12              | 21.263 | 240  | 1734907  | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 24.174 | 264  | 2005843  | 20.000 | ng/u1  | 0.00     |
|                               |        |      |          |        |        |          |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.164  | 96   | 59199    | 7.036  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.564  | 84   | 382788   | 16.162 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 6.811  | 99   | 507374   | 17.002 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 6.975  | 67   | 285025   | 16.329 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.163  | 132  | 432098   | 18.977 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.340  | 113  | 413439   | 16.996 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 8.787  | 128  | 214590   | 19.459 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.505  | 143  | 230866   | 20.267 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.034 | 165  | 414654   | 19.498 | ng/u1  | -0.01    |
| 31) 4-Chloroaniline-d4        | 10.557 | 131  | 565488   | 17.909 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.693 | 166  | 1197187  | 19.277 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 13.969 | 160  | 1391529  | 19.486 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.504 | 143  | 229583   | 18.463 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.275 | 176  | 1034862  | 19.693 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.410 | 200  | 199884   | 21.182 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.122 | 188  | 1563997  | 19.459 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.428 | 212  | 1826768  | 19.677 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.974 | 264  | 1884593  | 19.676 | ng/u1  | 0.00     |
|                               |        |      |          |        |        |          |
| Target Compounds              |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.193  | 88   | 62669    | 6.961  | ng/uL  | 96       |
| 5) Pyridine                   | 3.587  | 79   | 379555   | 16.027 | ng/u1  | 96       |
| 6) Benzaldehyde               | 6.787  | 77   | 259624   | 18.549 | ng/u1  | 93       |
| 8) Phenol                     | 6.834  | 94   | 517928   | 17.054 | ng/u1  | 97       |
| 10) Bis(2-Chloroethyl)ether   | 7.063  | 93   | 431976   | 17.202 | ng/u1  | 96       |
| 12) 2-Chlorophenol            | 7.199  | 128  | 453888   | 19.049 | ng/u1  | 96       |
| 13) 2-Methylphenol            | 8.075  | 108  | 400120   | 17.058 | ng/u1  | 98       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.146  | 45   | 467678   | 16.178 | ng/u1  | 99       |
| 16) Acetophenone              | 8.452  | 105  | 641785   | 17.409 | ng/u1  | 97       |
| 17) N-Nitroso-di-n-propyla... | 8.440  | 70   | 296258   | 15.508 | ng/u1# | 96       |
| 18) 4-Methylphenol            | 8.405  | 108  | 437447   | 17.204 | ng/u1  | 99       |
| 19) Hexachloroethane          | 8.693  | 117  | 190335   | 18.864 | ng/u1  | 87       |
| 22) Nitrobenzene              | 8.828  | 77   | 467431   | 17.791 | ng/u1  | 96       |
| 23) Isophorone                | 9.352  | 82   | 867397   | 16.094 | ng/u1  | 96       |
| 25) 2-Nitrophenol             | 9.534  | 139  | 254486   | 20.448 | ng/u1  | 92       |
| 26) 2,4-Dimethylphenol        | 9.599  | 107  | 428305   | 17.690 | ng/u1  | 99       |
| 27) Bis(2-Chloroethoxy)met... | 9.834  | 93   | 573069   | 17.061 | ng/u1  | 99       |
| 29) 2,4-Dichlorophenol        | 10.063 | 162  | 416292   | 19.825 | ng/u1  | 96       |
| 30) Naphthalene               | 10.457 | 128  | 1433929  | 19.210 | ng/u1  | 99       |
| 32) 4-Chloroaniline           | 10.581 | 127  | 554232   | 18.079 | ng/u1  | 98       |
| 33) Hexachlorobutadiene       | 10.734 | 225  | 263687   | 20.908 | ng/u1  | 97       |
| 34) Caprolactam               | 11.369 | 113  | 128747m  | 15.708 | ng/u1  |          |
| 35) 4-Chloro-3-methylphenol   | 11.710 | 107  | 429645   | 17.505 | ng/u1  | 98       |
| 36) 2-Methylnaphthalene       | 12.075 | 142  | 957886   | 18.774 | ng/u1  | 98       |

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BNA\_N

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SSTD020300

## Manual Integrations

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Quant Time: Jun 23 03:41:32 2024

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

Quant Title : SVOA CALIBRATION

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Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 37) 1-Methylnaphthalene       | 12.298 | 142  | 952739   | 18.611 | ng/ul  | 96       |
| 39) 1,2,4,5-Tetrachloroben... | 12.446 | 216  | 493850   | 20.947 | ng/ul  | 98       |
| 40) Hexachlorocyclopentadiene | 12.422 | 237  | 303320   | 22.322 | ng/ul  | 100      |
| 41) 2,4,6-Trichlorophenol     | 12.698 | 196  | 320269   | 20.014 | ng/ul  | 99       |
| 42) 2,4,5-Trichlorophenol     | 12.775 | 196  | 349081   | 20.074 | ng/ul  | 99       |
| 43) 1,1'-Biphenyl             | 13.104 | 154  | 1245416  | 19.862 | ng/ul  | 97       |
| 44) 2-Chloronaphthalene       | 13.145 | 162  | 981874   | 19.992 | ng/ul  | 99       |
| 45) 2-Nitroaniline            | 13.363 | 65   | 240643   | 16.903 | ng/ul  | 89       |
| 47) Dimethylphthalate         | 13.740 | 163  | 1242509  | 19.562 | ng/ul  | 99       |
| 48) 2,6-Dinitrotoluene        | 13.863 | 165  | 246290   | 19.508 | ng/ul  | 98       |
| 50) Acenaphthylene            | 13.998 | 152  | 1571514  | 19.472 | ng/ul  | 99       |
| 51) 3-Nitroaniline            | 14.198 | 138  | 260062   | 19.266 | ng/ul  | 94       |
| 52) Acenaphthene              | 14.340 | 153  | 1069115  | 20.021 | ng/ul  | 99       |
| 53) 2,4-Dinitrophenol         | 14.410 | 184  | 129263   | 20.281 | ng/ul  | 96       |
| 55) 4-Nitrophenol             | 14.516 | 109  | 174130   | 18.877 | ng/ul  | 91       |
| 56) Dibenzofuran              | 14.675 | 168  | 1457973  | 20.096 | ng/ul  | 99       |
| 57) 2,4-Dinitrotoluene        | 14.657 | 165  | 360800   | 19.476 | ng/ul  | 98       |
| 58) 2,3,4,6-Tetrachlorophenol | 14.904 | 232  | 296375   | 20.375 | ng/ul  | 99       |
| 59) Diethylphthalate          | 15.110 | 149  | 1263138  | 19.273 | ng/ul  | 98       |
| 61) Fluorene                  | 15.328 | 166  | 1172585  | 20.070 | ng/ul  | 96       |
| 62) 4-Chlorophenyl-phenyle... | 15.322 | 204  | 577820   | 20.419 | ng/ul  | 98       |
| 63) 4-Nitroaniline            | 15.363 | 138  | 267507m  | 20.817 | ng/ul  |          |
| 66) 4,6-Dinitro-2-methylph... | 15.422 | 198  | 217953   | 21.726 | ng/ul# | 99       |
| 67) N-Nitrosodiphenylamine    | 15.545 | 169  | 1014573  | 19.606 | ng/ul  | 99       |
| 68) 4-Bromophenyl-phenylether | 16.222 | 248  | 372488   | 20.477 | ng/ul  | 92       |
| 69) Hexachlorobenzene         | 16.328 | 284  | 420398   | 20.391 | ng/ul  | 95       |
| 70) Atrazine                  | 16.498 | 200  | 298006   | 18.239 | ng/ul  | 95       |
| 71) Pentachlorophenol         | 16.681 | 266  | 256814   | 19.470 | ng/ul  | 92       |
| 72) Phenanthrene              | 17.069 | 178  | 1859175  | 19.440 | ng/ul  | 99       |
| 74) Anthracene                | 17.163 | 178  | 1924314  | 19.858 | ng/ul  | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 13.063 | 216  | 493134   | 20.408 | ng/ul  | 94       |
| 76) Pentachlorobenzene        | 14.592 | 250  | 481791   | 20.470 | ng/ul  | 99       |
| 77) Carbazole                 | 17.439 | 167  | 1727247  | 20.903 | ng/ul  | 98       |
| 78) Di-n-butylphthalate       | 17.998 | 149  | 2297927  | 20.214 | ng/ul  | 99       |
| 80) Fluoranthene              | 19.092 | 202  | 2187570  | 19.716 | ng/ul  | 97       |
| 82) Pyrene                    | 19.457 | 202  | 2285584  | 20.078 | ng/ul# | 93       |
| 83) Butylbenzylphthalate      | 20.369 | 149  | 1029438  | 19.146 | ng/ul  | 88       |
| 84) 3,3'-Dichlorobenzidine    | 21.180 | 252  | 658579   | 19.795 | ng/ul  | 98       |
| 85) Benzo(a)anthracene        | 21.245 | 228  | 2281850  | 19.650 | ng/ul  | 96       |
| 86) Bis(2-ethylhexyl)phtha... | 21.169 | 149  | 1481635  | 18.904 | ng/ul  | 98       |
| 87) Chrysene                  | 21.304 | 228  | 2116522  | 19.513 | ng/ul  | 98       |
| 89) Di-n-octyl phthalate      | 22.269 | 149  | 2595797  | 19.330 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 23.257 | 252  | 2267093  | 18.909 | ng/ul  | 99       |
| 91) Benzo(k)fluoranthene      | 23.316 | 252  | 2299483  | 19.545 | ng/ul  | 99       |
| 93) Benzo(a)pyrene            | 24.039 | 252  | 2164254  | 19.274 | ng/ul  | 99       |
| 94) Indeno(1,2,3-cd)pyrene    | 27.445 | 276  | 2660171  | 20.558 | ng/ul  | 97       |
| 95) Dibenzo(a,h)anthracene    | 27.498 | 278  | 2267318  | 21.462 | ng/ul  | 97       |
| 96) Benzo(g,h,i)perylene      | 28.468 | 276  | 2145595  | 20.859 | ng/ul  | 95       |

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

