

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN050324\  
 Data File : BN031385.D  
 Acq On : 03 May 2024 11:04  
 Operator : MA/JU  
 Sample : SST01051  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :

Quant Time: May 03 13:49:15 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-BN050324.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri May 03 13:38:35 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.599  | 152  | 155737   | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.375 | 136  | 653926   | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.246 | 164  | 442252   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 16.998 | 188  | 917473   | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.233 | 240  | 808957   | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 24.116 | 264  | 824567   | 20.000 | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.123  | 96   | 14849    | 4.361  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.528  | 84   | 84633    | 8.759  | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 6.775  | 99   | 114527   | 9.142  | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 6.940  | 67   | 66974    | 9.184  | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.128  | 132  | 96996    | 9.588  | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.305  | 113  | 93775    | 9.028  | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 8.758  | 128  | 48218    | 9.917  | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.469  | 143  | 51634    | 9.810  | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 9.999  | 165  | 98289    | 10.159 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.522 | 131  | 142143   | 10.228 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.663 | 166  | 319279   | 10.480 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 13.940 | 160  | 345245   | 9.897  | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.463 | 143  | 53242    | 9.580  | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.245 | 176  | 262417   | 10.162 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.375 | 200  | 50328    | 10.052 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.098 | 188  | 400757   | 10.200 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.404 | 212  | 450492   | 9.262  | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.916 | 264  | 388501   | 9.911  | ng/u1  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.152  | 88   | 15013    | 4.068  | ng/uL  | 97       |
| 5) Pyridine                   | 3.546  | 79   | 90803    | 9.412  | ng/u1  | 98       |
| 6) Benzaldehyde               | 6.752  | 77   | 65681    | 10.748 | ng/u1  | 94       |
| 8) Phenol                     | 6.805  | 94   | 116938   | 9.191  | ng/u1  | 98       |
| 10) Bis(2-Chloroethyl)ether   | 7.034  | 93   | 95640    | 9.326  | ng/u1  | 98       |
| 12) 2-Chlorophenol            | 7.164  | 128  | 103303   | 9.807  | ng/u1  | 97       |
| 13) 2-Methylphenol            | 8.040  | 108  | 89012    | 9.002  | ng/u1  | 98       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.116  | 45   | 104900   | 8.004  | ng/u1  | 98       |
| 16) Acetophenone              | 8.422  | 105  | 161360   | 10.324 | ng/u1  | 99       |
| 17) N-Nitroso-di-n-propyla... | 8.405  | 70   | 77651    | 9.540  | ng/u1  | 98       |
| 18) 4-Methylphenol            | 8.369  | 108  | 98865    | 9.155  | ng/u1  | 99       |
| 19) Hexachloroethane          | 8.658  | 117  | 45959    | 10.586 | ng/u1  | 94       |
| 22) Nitrobenzene              | 8.793  | 77   | 117614   | 10.301 | ng/u1  | 100      |
| 23) Isophorone                | 9.316  | 82   | 223793   | 10.086 | ng/u1  | 100      |
| 25) 2-Nitrophenol             | 9.505  | 139  | 58440    | 10.259 | ng/u1  | 95       |
| 26) 2,4-Dimethylphenol        | 9.563  | 107  | 112694   | 10.372 | ng/u1  | 96       |
| 27) Bis(2-Chloroethoxy)met... | 9.805  | 93   | 132326   | 9.612  | ng/u1  | 100      |
| 29) 2,4-Dichlorophenol        | 10.028 | 162  | 96270    | 10.052 | ng/u1  | 96       |
| 30) Naphthalene               | 10.428 | 128  | 346817   | 10.471 | ng/u1  | 97       |
| 32) 4-Chloroaniline           | 10.546 | 127  | 136445   | 10.211 | ng/u1  | 100      |
| 33) Hexachlorobutadiene       | 10.705 | 225  | 66417    | 11.312 | ng/u1  | 98       |
| 34) Caprolactam               | 11.328 | 113  | 31934m   | 9.384  | ng/u1  |          |
| 35) 4-Chloro-3-methylphenol   | 11.675 | 107  | 113630   | 10.263 | ng/u1  | 99       |
| 36) 2-Methylnaphthalene       | 12.046 | 142  | 235816   | 10.294 | ng/u1  | 100      |

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| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 37) 1-Methylnaphthalene       | 12.269 | 142  | 237740   | 10.269 | ng/ul  | 95       |
| 39) 1,2,4,5-Tetrachloroben... | 12.416 | 216  | 121460   | 10.245 | ng/ul  | 99       |
| 40) Hexachlorocyclopentadiene | 12.393 | 237  | 66767    | 9.961  | ng/ul  | 94       |
| 41) 2,4,6-Trichlorophenol     | 12.669 | 196  | 79757    | 9.850  | ng/ul  | 97       |
| 42) 2,4,5-Trichlorophenol     | 12.740 | 196  | 86470    | 9.782  | ng/ul  | 100      |
| 43) 1,1'-Biphenyl             | 13.075 | 154  | 307413   | 9.961  | ng/ul  | 99       |
| 44) 2-Chloronaphthalene       | 13.116 | 162  | 251139   | 10.283 | ng/ul  | 99       |
| 45) 2-Nitroaniline            | 13.334 | 65   | 67308    | 9.695  | ng/ul  | 98       |
| 47) Dimethylphthalate         | 13.710 | 163  | 325957   | 10.432 | ng/ul  | 99       |
| 48) 2,6-Dinitrotoluene        | 13.834 | 165  | 63464    | 10.374 | ng/ul  | 98       |
| 50) Acenaphthylene            | 13.969 | 152  | 403002   | 10.144 | ng/ul  | 99       |
| 51) 3-Nitroaniline            | 14.169 | 138  | 62084    | 9.625  | ng/ul  | 97       |
| 52) Acenaphthene              | 14.310 | 153  | 272072   | 10.304 | ng/ul  | 99       |
| 53) 2,4-Dinitrophenol         | 14.375 | 184  | 31184    | 8.737  | ng/ul  | 95       |
| 55) 4-Nitrophenol             | 14.481 | 109  | 56585    | 11.901 | ng/ul  | 98       |
| 56) Dibenzofuran              | 14.651 | 168  | 364428   | 10.205 | ng/ul  | 98       |
| 57) 2,4-Dinitrotoluene        | 14.628 | 165  | 92802    | 10.339 | ng/ul  | 97       |
| 58) 2,3,4,6-Tetrachlorophenol | 14.875 | 232  | 74402    | 10.025 | ng/ul  | 97       |
| 59) Diethylphthalate          | 15.081 | 149  | 339352   | 10.700 | ng/ul  | 98       |
| 61) Fluorene                  | 15.298 | 166  | 304758   | 10.569 | ng/ul  | 96       |
| 62) 4-Chlorophenyl-phenyle... | 15.298 | 204  | 154619   | 11.055 | ng/ul  | 99       |
| 63) 4-Nitroaniline            | 15.334 | 138  | 61154    | 10.390 | ng/ul  | 94       |
| 66) 4,6-Dinitro-2-methylph... | 15.387 | 198  | 53573    | 10.048 | ng/ul  | 92       |
| 67) N-Nitrosodiphenylamine    | 15.516 | 169  | 261314   | 10.402 | ng/ul  | 99       |
| 68) 4-Bromophenyl-phenylether | 16.192 | 248  | 89742    | 10.051 | ng/ul# | 81       |
| 69) Hexachlorobenzene         | 16.298 | 284  | 110816   | 10.700 | ng/ul  | 96       |
| 70) Atrazine                  | 16.475 | 200  | 95519    | 11.674 | ng/ul  | 96       |
| 71) Pentachlorophenol         | 16.651 | 266  | 66968    | 10.582 | ng/ul  | 98       |
| 72) Phenanthrene              | 17.039 | 178  | 477535   | 10.138 | ng/ul  | 99       |
| 74) Anthracene                | 17.134 | 178  | 496722   | 10.581 | ng/ul  | 98       |
| 75) 1,2,3,4-Tetrachloroben... | 13.034 | 216  | 117929   | 9.855  | ng/uL  | 98       |
| 76) Pentachlorobenzene        | 14.563 | 250  | 121989   | 10.372 | ng/uL  | 97       |
| 77) Carbazole                 | 17.410 | 167  | 433415   | 10.580 | ng/ul  | 99       |
| 78) Di-n-butylphthalate       | 17.975 | 149  | 584289   | 10.797 | ng/ul  | 100      |
| 80) Fluoranthene              | 19.069 | 202  | 560659   | 9.600  | ng/ul  | 99       |
| 82) Pyrene                    | 19.433 | 202  | 579621   | 9.675  | ng/ul  | 99       |
| 83) Butylbenzylphthalate      | 20.345 | 149  | 251322   | 9.864  | ng/ul  | 99       |
| 84) 3,3'-Dichlorobenzidine    | 21.157 | 252  | 144182   | 9.733  | ng/ul  | 98       |
| 85) Benzo(a)anthracene        | 21.216 | 228  | 547545   | 10.140 | ng/ul  | 99       |
| 86) Bis(2-ethylhexyl)phtha... | 21.151 | 149  | 354302   | 10.354 | ng/ul  | 98       |
| 87) Chrysene                  | 21.275 | 228  | 520988   | 10.319 | ng/ul  | 98       |
| 89) Di-n-octyl phthalate      | 22.239 | 149  | 555821   | 8.817  | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 23.204 | 252  | 498129   | 9.784  | ng/ul  | 98       |
| 91) Benzo(k)fluoranthene      | 23.263 | 252  | 491957   | 9.783  | ng/ul  | 97       |
| 93) Benzo(a)pyrene            | 23.974 | 252  | 450846   | 9.904  | ng/ul  | 98       |
| 94) Indeno(1,2,3-cd)pyrene    | 27.327 | 276  | 532029   | 10.399 | ng/ul  | 96       |
| 95) Dibenzo(a,h)anthracene    | 27.386 | 278  | 443729   | 10.399 | ng/ul  | 99       |
| 96) Benzo(g,h,i)perylene      | 28.327 | 276  | 427830m  | 10.426 | ng/ul  |          |

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

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