

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN041924\  
 Data File : BN031047.D  
 Acq On : 19 Apr 2024 19:04  
 Operator : MA/JU  
 Sample : SSTD02040  
 Misc :  
 ALS Vial : 94 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SSTD020219

Quant Time: Apr 19 22:28:08 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-BN041924.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Apr 19 22:25:10 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.640  | 152  | 107649   | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.416 | 136  | 500622   | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.281 | 164  | 346406   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.034 | 188  | 798190   | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.269 | 240  | 890034   | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 24.168 | 264  | 1147894  | 20.000 | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.146  | 96   | 18744    | 8.164  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.552  | 84   | 136971   | 19.897 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 6.811  | 99   | 181271   | 20.816 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 6.981  | 67   | 110349   | 20.516 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.169  | 132  | 145892   | 22.084 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.340  | 113  | 154023   | 21.104 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 8.793  | 128  | 75825    | 21.834 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.510  | 143  | 77765    | 24.478 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.040 | 165  | 157100   | 22.588 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.563 | 131  | 238758   | 20.852 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.698 | 166  | 520091   | 22.487 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 13.975 | 160  | 583003   | 21.924 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.493 | 143  | 106725   | 24.125 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.281 | 176  | 451061   | 22.287 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.404 | 200  | 76181    | 21.623 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.134 | 188  | 740050   | 21.519 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.433 | 212  | 925595   | 19.343 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.974 | 264  | 1171756  | 22.154 | ng/u1  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.181  | 88   | 20438    | 8.310  | ng/uL  | 100      |
| 5) Pyridine                   | 3.575  | 79   | 134844   | 19.412 | ng/u1  | 100      |
| 6) Benzaldehyde               | 6.787  | 77   | 109306   | 26.953 | ng/u1  | 100      |
| 8) Phenol                     | 6.834  | 94   | 188123   | 20.737 | ng/u1  | 100      |
| 10) Bis(2-Chloroethyl)ether   | 7.069  | 93   | 152628   | 20.632 | ng/u1  | 100      |
| 12) 2-Chlorophenol            | 7.199  | 128  | 150063   | 21.176 | ng/u1  | 100      |
| 13) 2-Methylphenol            | 8.081  | 108  | 149087   | 21.327 | ng/u1  | 100      |
| 14) 2,2'-oxybis(1-Chloropr... | 8.158  | 45   | 198756   | 19.080 | ng/u1  | 100      |
| 16) Acetophenone              | 8.458  | 105  | 247423   | 21.472 | ng/u1  | 100      |
| 17) N-Nitroso-di-n-propyla... | 8.440  | 70   | 122757   | 21.151 | ng/u1  | 100      |
| 18) 4-Methylphenol            | 8.405  | 108  | 166017   | 21.214 | ng/u1  | 100      |
| 19) Hexachloroethane          | 8.705  | 117  | 63122    | 21.245 | ng/u1  | 100      |
| 22) Nitrobenzene              | 8.834  | 77   | 180735   | 21.319 | ng/u1  | 100      |
| 23) Isophorone                | 9.357  | 82   | 364892   | 21.583 | ng/u1  | 100      |
| 25) 2-Nitrophenol             | 9.540  | 139  | 87907    | 23.544 | ng/u1  | 100      |
| 26) 2,4-Dimethylphenol        | 9.605  | 107  | 178294   | 21.485 | ng/u1  | 100      |
| 27) Bis(2-Chloroethoxy)met... | 9.840  | 93   | 220485   | 20.512 | ng/u1  | 100      |
| 29) 2,4-Dichlorophenol        | 10.069 | 162  | 154375   | 21.746 | ng/u1  | 100      |
| 30) Naphthalene               | 10.469 | 128  | 544952   | 21.224 | ng/u1  | 100      |
| 32) 4-Chloroaniline           | 10.587 | 127  | 233629   | 21.172 | ng/u1  | 100      |
| 33) Hexachlorobutadiene       | 10.746 | 225  | 93744    | 20.979 | ng/u1  | 100      |
| 34) Caprolactam               | 11.357 | 113  | 57413    | 21.648 | ng/u1  | 100      |
| 35) 4-Chloro-3-methylphenol   | 11.710 | 107  | 177468   | 22.195 | ng/u1  | 100      |
| 36) 2-Methylnaphthalene       | 12.087 | 142  | 380117   | 21.199 | ng/u1  | 100      |

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|-------------------------------|--------|------|----------|--------|-------|----------|
| 37) 1-Methylnaphthalene       | 12.310 | 142  | 386610   | 21.239 | ng/ul | 100      |
| 39) 1,2,4,5-Tetrachloroben... | 12.457 | 216  | 196593   | 21.991 | ng/ul | 100      |
| 40) Hexachlorocyclopentadiene | 12.434 | 237  | 103327   | 20.353 | ng/ul | 100      |
| 41) 2,4,6-Trichlorophenol     | 12.704 | 196  | 131277   | 23.500 | ng/ul | 100      |
| 42) 2,4,5-Trichlorophenol     | 12.775 | 196  | 141599   | 22.444 | ng/ul | 100      |
| 43) 1,1'-Biphenyl             | 13.110 | 154  | 511049   | 21.644 | ng/ul | 100      |
| 44) 2-Chloronaphthalene       | 13.151 | 162  | 409012   | 22.006 | ng/ul | 100      |
| 45) 2-Nitroaniline            | 13.369 | 65   | 114540   | 23.156 | ng/ul | 100      |
| 47) Dimethylphthalate         | 13.745 | 163  | 535181   | 22.401 | ng/ul | 100      |
| 48) 2,6-Dinitrotoluene        | 13.869 | 165  | 101144   | 22.834 | ng/ul | 100      |
| 50) Acenaphthylene            | 14.004 | 152  | 692114   | 22.526 | ng/ul | 100      |
| 51) 3-Nitroaniline            | 14.198 | 138  | 115841   | 24.639 | ng/ul | 100      |
| 52) Acenaphthene              | 14.345 | 153  | 456421   | 22.292 | ng/ul | 100      |
| 53) 2,4-Dinitrophenol         | 14.404 | 184  | 47664    | 23.428 | ng/ul | 100      |
| 55) 4-Nitrophenol             | 14.510 | 109  | 86546    | 24.693 | ng/ul | 100      |
| 56) Dibenzofuran              | 14.687 | 168  | 632304   | 22.216 | ng/ul | 100      |
| 57) 2,4-Dinitrotoluene        | 14.657 | 165  | 153704   | 23.767 | ng/ul | 100      |
| 58) 2,3,4,6-Tetrachlorophenol | 14.910 | 232  | 125221   | 23.899 | ng/ul | 100      |
| 59) Diethylphthalate          | 15.116 | 149  | 550666   | 22.688 | ng/ul | 100      |
| 61) Fluorene                  | 15.334 | 166  | 526671   | 23.281 | ng/ul | 100      |
| 62) 4-Chlorophenyl-phenyle... | 15.334 | 204  | 248281   | 22.370 | ng/ul | 100      |
| 63) 4-Nitroaniline            | 15.369 | 138  | 132881   | 29.071 | ng/ul | 100      |
| 66) 4,6-Dinitro-2-methylph... | 15.416 | 198  | 85713    | 22.642 | ng/ul | 100      |
| 67) N-Nitrosodiphenylamine    | 15.551 | 169  | 456211   | 20.987 | ng/ul | 100      |
| 68) 4-Bromophenyl-phenylether | 16.228 | 248  | 156670   | 20.670 | ng/ul | 100      |
| 69) Hexachlorobenzene         | 16.334 | 284  | 180663   | 20.242 | ng/ul | 100      |
| 70) Atrazine                  | 16.510 | 200  | 163949   | 21.760 | ng/ul | 100      |
| 71) Pentachlorophenol         | 16.681 | 266  | 114694   | 21.796 | ng/ul | 100      |
| 72) Phenanthrene              | 17.075 | 178  | 892258   | 21.758 | ng/ul | 100      |
| 74) Anthracene                | 17.169 | 178  | 901223   | 21.739 | ng/ul | 100      |
| 75) 1,2,3,4-Tetrachloroben... | 13.075 | 216  | 198491   | 20.242 | ng/ul | 100      |
| 76) Pentachlorobenzene        | 14.598 | 250  | 199183   | 19.998 | ng/ul | 100      |
| 77) Carbazole                 | 17.439 | 167  | 857296   | 23.581 | ng/ul | 100      |
| 78) Di-n-butylphthalate       | 18.010 | 149  | 1038381  | 23.412 | ng/ul | 100      |
| 80) Fluoranthene              | 19.098 | 202  | 1125980  | 19.794 | ng/ul | 100      |
| 82) Pyrene                    | 19.463 | 202  | 1179088  | 19.627 | ng/ul | 100      |
| 83) Butylbenzylphthalate      | 20.375 | 149  | 515891   | 22.487 | ng/ul | 100      |
| 84) 3,3'-Dichlorobenzidine    | 21.186 | 252  | 418857   | 25.612 | ng/ul | 100      |
| 85) Benzo(a)anthracene        | 21.251 | 228  | 1292796  | 21.765 | ng/ul | 100      |
| 86) Bis(2-ethylhexyl)phtha... | 21.180 | 149  | 791552   | 23.396 | ng/ul | 100      |
| 87) Chrysene                  | 21.310 | 228  | 1208101  | 21.548 | ng/ul | 100      |
| 89) Di-n-octyl phthalate      | 22.280 | 149  | 1460028  | 20.085 | ng/ul | 100      |
| 90) Benzo(b)fluoranthene      | 23.257 | 252  | 1417199  | 20.978 | ng/ul | 100      |
| 91) Benzo(k)fluoranthene      | 23.310 | 252  | 1373130  | 20.015 | ng/ul | 100      |
| 93) Benzo(a)pyrene            | 24.033 | 252  | 1387910  | 21.749 | ng/ul | 100      |
| 94) Indeno(1,2,3-cd)pyrene    | 27.421 | 276  | 1720698  | 24.944 | ng/ul | 100      |
| 95) Dibenzo(a,h)anthracene    | 27.486 | 278  | 1423542  | 24.513 | ng/ul | 100      |
| 96) Benzo(g,h,i)perylene      | 28.439 | 276  | 1377516  | 25.436 | ng/ul | 100      |

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

