

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN042424\  
 Data File : BN031208.D  
 Acq On : 25 Apr 2024 04:47  
 Operator : MA/JU  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SSTD020381

Quant Time: Apr 25 05:16:47 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-BN041924.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Apr 19 22:56:25 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.628  | 152  | 220239   | 20.000 | ng/u1  | -0.01    |
| 20) Naphthalene-d8            | 10.404 | 136  | 1026675  | 20.000 | ng/u1  | -0.01    |
| 38) Acenaphthene-d10          | 14.275 | 164  | 692145   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.028 | 188  | 1509006  | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.269 | 240  | 1602099  | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 24.163 | 264  | 1819074  | 20.000 | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.140  | 96   | 36955    | 7.839  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.546  | 84   | 278631   | 20.524 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 6.805  | 99   | 382565   | 20.592 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 6.969  | 67   | 221927   | 20.531 | ng/u1  | -0.01    |
| 11) 2-Chlorophenol-d4         | 7.158  | 132  | 303305   | 20.967 | ng/u1  | -0.01    |
| 15) 4-Methylphenol-d8         | 8.334  | 113  | 316268   | 20.242 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 8.787  | 128  | 160625   | 21.775 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.499  | 143  | 172455   | 22.491 | ng/u1  | -0.01    |
| 28) 2,4-Dichlorophenol-d3     | 10.034 | 165  | 328329   | 21.713 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.551 | 131  | 482960   | 20.438 | ng/u1  | -0.01    |
| 46) Dimethylphthalate-d6      | 13.692 | 166  | 989466   | 20.543 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 13.969 | 160  | 1169429  | 21.426 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.492 | 143  | 206053   | 20.497 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.269 | 176  | 874933   | 20.867 | ng/u1  | -0.01    |
| 65) 4,6-Dinitro-2-methylph... | 15.398 | 200  | 154526   | 20.297 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.122 | 188  | 1407874  | 21.525 | ng/u1  | -0.01    |
| 81) Pyrene-d10                | 19.427 | 212  | 1734859  | 22.037 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.962 | 264  | 1824461  | 21.150 | ng/u1  | -0.01    |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.175  | 88   | 39535    | 7.914  | ng/uL  | 97       |
| 5) Pyridine                   | 3.564  | 79   | 274727   | 20.054 | ng/u1  | 98       |
| 6) Benzaldehyde               | 6.781  | 77   | 228221   | 25.018 | ng/u1  | 99       |
| 8) Phenol                     | 6.828  | 94   | 397415   | 20.748 | ng/u1  | 99       |
| 10) Bis(2-Chloroethyl)ether   | 7.063  | 93   | 316377   | 20.934 | ng/u1  | 100      |
| 12) 2-Chlorophenol            | 7.193  | 128  | 323741   | 21.531 | ng/u1  | 97       |
| 13) 2-Methylphenol            | 8.069  | 108  | 306897   | 20.675 | ng/u1  | 98       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.152  | 45   | 412234   | 20.921 | ng/u1  | 100      |
| 16) Acetophenone              | 8.452  | 105  | 493942   | 20.404 | ng/u1  | 99       |
| 17) N-Nitroso-di-n-propyla... | 8.434  | 70   | 244515   | 20.264 | ng/u1  | 99       |
| 18) 4-Methylphenol            | 8.399  | 108  | 342494   | 20.599 | ng/u1  | 99       |
| 19) Hexachloroethane          | 8.693  | 117  | 130429   | 20.904 | ng/u1  | 98       |
| 22) Nitrobenzene              | 8.828  | 77   | 374033   | 21.484 | ng/u1  | 99       |
| 23) Isophorone                | 9.346  | 82   | 720569   | 20.281 | ng/u1  | 99       |
| 25) 2-Nitrophenol             | 9.528  | 139  | 190147   | 22.414 | ng/u1  | 96       |
| 26) 2,4-Dimethylphenol        | 9.593  | 107  | 355369   | 20.540 | ng/u1  | 99       |
| 27) Bis(2-Chloroethoxy)met... | 9.834  | 93   | 440977   | 20.434 | ng/u1  | 99       |
| 29) 2,4-Dichlorophenol        | 10.057 | 162  | 322659   | 21.364 | ng/u1  | 99       |
| 30) Naphthalene               | 10.457 | 128  | 1103454  | 20.739 | ng/u1  | 99       |
| 32) 4-Chloroaniline           | 10.575 | 127  | 467796   | 20.374 | ng/u1  | 97       |
| 33) Hexachlorobutadiene       | 10.734 | 225  | 193184   | 20.982 | ng/u1  | 98       |
| 34) Caprolactam               | 11.357 | 113  | 115678   | 19.440 | ng/u1  | 95       |
| 35) 4-Chloro-3-methylphenol   | 11.704 | 107  | 369450   | 21.098 | ng/u1  | 97       |
| 36) 2-Methylnaphthalene       | 12.075 | 142  | 771265   | 20.555 | ng/u1  | 99       |

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| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 37) 1-Methylnaphthalene       | 12.298 | 142  | 774735   | 20.405 | ng/ul | 99       |
| 39) 1,2,4,5-Tetrachloroben... | 12.445 | 216  | 395743   | 21.851 | ng/ul | 99       |
| 40) Hexachlorocyclopentadiene | 12.422 | 237  | 165611   | 16.646 | ng/ul | 91       |
| 41) 2,4,6-Trichlorophenol     | 12.698 | 196  | 269568   | 22.361 | ng/ul | 95       |
| 42) 2,4,5-Trichlorophenol     | 12.769 | 196  | 290362   | 21.724 | ng/ul | 97       |
| 43) 1,1'-Biphenyl             | 13.104 | 154  | 996656   | 20.937 | ng/ul | 98       |
| 44) 2-Chloronaphthalene       | 13.145 | 162  | 802227   | 21.090 | ng/ul | 98       |
| 45) 2-Nitroaniline            | 13.357 | 65   | 235821   | 22.457 | ng/ul | 94       |
| 47) Dimethylphthalate         | 13.740 | 163  | 1022232  | 20.573 | ng/ul | 100      |
| 48) 2,6-Dinitrotoluene        | 13.863 | 165  | 207211   | 22.215 | ng/ul | 98       |
| 50) Acenaphthylene            | 13.992 | 152  | 1349072  | 21.160 | ng/ul | 99       |
| 51) 3-Nitroaniline            | 14.192 | 138  | 237527   | 22.182 | ng/ul | 98       |
| 52) Acenaphthene              | 14.339 | 153  | 884140   | 20.919 | ng/ul | 98       |
| 53) 2,4-Dinitrophenol         | 14.398 | 184  | 91454    | 17.338 | ng/ul | 94       |
| 55) 4-Nitrophenol             | 14.510 | 109  | 164322   | 20.141 | ng/ul | 98       |
| 56) Dibenzofuran              | 14.675 | 168  | 1228166  | 21.018 | ng/ul | 99       |
| 57) 2,4-Dinitrotoluene        | 14.651 | 165  | 314508   | 22.192 | ng/ul | 99       |
| 58) 2,3,4,6-Tetrachlorophenol | 14.904 | 232  | 250394   | 21.677 | ng/ul | 96       |
| 59) Diethylphthalate          | 15.110 | 149  | 1040337  | 20.359 | ng/ul | 99       |
| 61) Fluorene                  | 15.328 | 166  | 984566   | 20.474 | ng/ul | 96       |
| 62) 4-Chlorophenyl-phenyle... | 15.328 | 204  | 473649   | 20.679 | ng/ul | 97       |
| 63) 4-Nitroaniline            | 15.363 | 138  | 266174   | 23.055 | ng/ul | 98       |
| 66) 4,6-Dinitro-2-methylph... | 15.416 | 198  | 164561   | 20.130 | ng/ul | 97       |
| 67) N-Nitrosodiphenylamine    | 15.545 | 169  | 854528   | 21.127 | ng/ul | 98       |
| 68) 4-Bromophenyl-phenylether | 16.222 | 248  | 307614   | 21.555 | ng/ul | 93       |
| 69) Hexachlorobenzene         | 16.328 | 284  | 366235   | 22.261 | ng/ul | 96       |
| 70) Atrazine                  | 16.504 | 200  | 309943   | 21.827 | ng/ul | 95       |
| 71) Pentachlorophenol         | 16.675 | 266  | 235440   | 22.027 | ng/ul | 97       |
| 72) Phenanthrene              | 17.069 | 178  | 1675414  | 20.991 | ng/ul | 98       |
| 74) Anthracene                | 17.157 | 178  | 1693637  | 20.968 | ng/ul | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 13.063 | 216  | 393324   | 22.222 | ng/ul | 98       |
| 76) Pentachlorobenzene        | 14.592 | 250  | 390400   | 21.359 | ng/ul | 96       |
| 77) Carbazole                 | 17.439 | 167  | 1590729  | 21.560 | ng/ul | 99       |
| 78) Di-n-butylphthalate       | 17.998 | 149  | 2008528  | 22.334 | ng/ul | 99       |
| 80) Fluoranthene              | 19.092 | 202  | 2096037  | 22.496 | ng/ul | 98       |
| 82) Pyrene                    | 19.457 | 202  | 2170724  | 22.173 | ng/ul | 99       |
| 83) Butylbenzylphthalate      | 20.369 | 149  | 996646   | 23.072 | ng/ul | 97       |
| 84) 3,3'-Dichlorobenzidine    | 21.180 | 252  | 703395   | 21.071 | ng/ul | 90       |
| 85) Benzo(a)anthracene        | 21.245 | 228  | 2290198  | 21.051 | ng/ul | 99       |
| 86) Bis(2-ethylhexyl)phtha... | 21.174 | 149  | 1449417  | 22.347 | ng/ul | 98       |
| 87) Chrysene                  | 21.304 | 228  | 2127418  | 20.601 | ng/ul | 98       |
| 89) Di-n-octyl phthalate      | 22.274 | 149  | 2700576  | 25.756 | ng/ul | 100      |
| 90) Benzo(b)fluoranthene      | 23.251 | 252  | 2263703  | 22.117 | ng/ul | 99       |
| 91) Benzo(k)fluoranthene      | 23.304 | 252  | 2268169  | 22.033 | ng/ul | 99       |
| 93) Benzo(a)pyrene            | 24.027 | 252  | 2086477  | 20.434 | ng/ul | 98       |
| 94) Indeno(1,2,3-cd)pyrene    | 27.409 | 276  | 2332404  | 18.408 | ng/ul | 99       |
| 95) Dibenzo(a,h)anthracene    | 27.468 | 278  | 1926567  | 18.525 | ng/ul | 96       |
| 96) Benzo(g,h,i)perylene      | 28.427 | 276  | 1850150  | 18.133 | ng/ul | 100      |

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

