

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN061724\  
 Data File : BN032028.D  
 Acq On : 17 Jun 2024 10:48  
 Operator : MA/JU  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SSTD020294

Quant Time: Jun 17 11:21:00 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-BN052924.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Jun 11 22:28:10 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.652  | 152  | 267851   | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.434 | 136  | 1249459  | 20.000 | ng/u1  | # 0.00   |
| 38) Acenaphthene-d10          | 14.298 | 164  | 841352   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.045 | 188  | 1733638  | 20.000 | ng/u1  | -0.01    |
| 79) Chrysene-d12              | 21.280 | 240  | 1160379  | 20.000 | ng/u1  | -0.01    |
| 88) Perylene-d12              | 24.204 | 264  | 1170140  | 20.000 | ng/u1  | -0.02    |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.175  | 96   | 43733    | 6.755  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.575  | 84   | 309887   | 17.003 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 6.828  | 99   | 429382   | 18.699 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 6.993  | 67   | 235153   | 17.508 | ng/u1  | -0.01    |
| 11) 2-Chlorophenol-d4         | 7.187  | 132  | 356787   | 20.364 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.363  | 113  | 372546   | 19.903 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 8.810  | 128  | 188339   | 19.714 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.522  | 143  | 206381   | 20.913 | ng/u1  | -0.01    |
| 28) 2,4-Dichlorophenol-d3     | 10.057 | 165  | 382573   | 20.766 | ng/u1  | -0.01    |
| 31) 4-Chloroaniline-d4        | 10.575 | 131  | 538561   | 19.688 | ng/u1  | -0.01    |
| 46) Dimethylphthalate-d6      | 13.716 | 166  | 1140825  | 19.463 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 13.987 | 160  | 1339786  | 19.879 | ng/u1  | -0.01    |
| 54) 4-Nitrophenol-d4          | 14.522 | 143  | 210143   | 17.906 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.292 | 176  | 986174   | 19.885 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.428 | 200  | 164570   | 18.886 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.145 | 188  | 1459687  | 19.667 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.445 | 212  | 1537000  | 24.753 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.004 | 264  | 1079787  | 19.325 | ng/u1  | -0.02    |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.205  | 88   | 45542    | 6.574  | ng/uL  | 97       |
| 5) Pyridine                   | 3.599  | 79   | 304074   | 16.686 | ng/u1  | 99       |
| 6) Benzaldehyde               | 6.805  | 77   | 222344   | 20.644 | ng/u1  | 95       |
| 8) Phenol                     | 6.858  | 94   | 438932   | 18.783 | ng/u1  | 97       |
| 10) Bis(2-Chloroethyl)ether   | 7.087  | 93   | 354750   | 18.359 | ng/u1  | 96       |
| 12) 2-Chlorophenol            | 7.216  | 128  | 365793   | 19.951 | ng/u1  | 98       |
| 13) 2-Methylphenol            | 8.099  | 108  | 349456   | 19.361 | ng/u1  | 99       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.175  | 45   | 398247   | 17.904 | ng/u1  | 99       |
| 16) Acetophenone              | 8.475  | 105  | 565982   | 19.952 | ng/u1  | 98       |
| 17) N-Nitroso-di-n-propyla... | 8.457  | 70   | 269022   | 18.301 | ng/u1# | 96       |
| 18) 4-Methylphenol            | 8.422  | 108  | 385816   | 19.719 | ng/u1  | 100      |
| 19) Hexachloroethane          | 8.716  | 117  | 150358   | 19.366 | ng/u1  | 89       |
| 22) Nitrobenzene              | 8.852  | 77   | 408325   | 17.940 | ng/u1  | 91       |
| 23) Isophorone                | 9.375  | 82   | 813367   | 17.420 | ng/u1  | 96       |
| 25) 2-Nitrophenol             | 9.557  | 139  | 221678   | 20.560 | ng/u1  | 93       |
| 26) 2,4-Dimethylphenol        | 9.616  | 107  | 408207   | 19.462 | ng/u1  | 98       |
| 27) Bis(2-Chloroethoxy)met... | 9.857  | 93   | 510095   | 17.529 | ng/u1  | 99       |
| 29) 2,4-Dichlorophenol        | 10.087 | 162  | 372952   | 20.502 | ng/u1  | 97       |
| 30) Naphthalene               | 10.481 | 128  | 1271778  | 19.667 | ng/u1  | 100      |
| 32) 4-Chloroaniline           | 10.599 | 127  | 523560   | 19.714 | ng/u1  | 99       |
| 33) Hexachlorobutadiene       | 10.757 | 225  | 224767   | 20.573 | ng/u1  | 96       |
| 34) Caprolactam               | 11.387 | 113  | 129108   | 18.183 | ng/u1  | 84       |
| 35) 4-Chloro-3-methylphenol   | 11.734 | 107  | 419457   | 19.727 | ng/u1  | 98       |
| 36) 2-Methylnaphthalene       | 12.098 | 142  | 893421   | 20.213 | ng/u1  | 98       |

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|-------------------------------|--------|------|----------|--------|-------|----------|
| 37) 1-Methylnaphthalene       | 12.322 | 142  | 889862   | 20.065 | ng/ul | 95       |
| 39) 1,2,4,5-Tetrachloroben... | 12.469 | 216  | 456507   | 20.516 | ng/ul | 97       |
| 40) Hexachlorocyclopentadiene | 12.440 | 237  | 244464   | 19.063 | ng/ul | 98       |
| 41) 2,4,6-Trichlorophenol     | 12.722 | 196  | 308455   | 20.424 | ng/ul | 99       |
| 42) 2,4,5-Trichlorophenol     | 12.798 | 196  | 342669   | 20.879 | ng/ul | 98       |
| 43) 1,1'-Biphenyl             | 13.128 | 154  | 1169630  | 19.764 | ng/ul | 95       |
| 44) 2-Chloronaphthalene       | 13.163 | 162  | 927603   | 20.013 | ng/ul | 99       |
| 45) 2-Nitroaniline            | 13.381 | 65   | 241386   | 17.966 | ng/ul | 88       |
| 47) Dimethylphthalate         | 13.757 | 163  | 1180750  | 19.697 | ng/ul | 100      |
| 48) 2,6-Dinitrotoluene        | 13.887 | 165  | 243606   | 20.445 | ng/ul | 98       |
| 50) Acenaphthylene            | 14.016 | 152  | 1536487  | 20.172 | ng/ul | 99       |
| 51) 3-Nitroaniline            | 14.216 | 138  | 256798   | 20.157 | ng/ul | 92       |
| 52) Acenaphthene              | 14.363 | 153  | 1021062  | 20.260 | ng/ul | 99       |
| 53) 2,4-Dinitrophenol         | 14.434 | 184  | 103143   | 17.147 | ng/ul | 92       |
| 55) 4-Nitrophenol             | 14.534 | 109  | 161680   | 18.572 | ng/ul | 88       |
| 56) Dibenzofuran              | 14.698 | 168  | 1375516  | 20.089 | ng/ul | 96       |
| 57) 2,4-Dinitrotoluene        | 14.675 | 165  | 343978   | 19.674 | ng/ul | 98       |
| 58) 2,3,4,6-Tetrachlorophenol | 14.928 | 232  | 283112   | 20.623 | ng/ul | 99       |
| 59) Diethylphthalate          | 15.128 | 149  | 1202949  | 19.448 | ng/ul | 98       |
| 61) Fluorene                  | 15.351 | 166  | 1097535  | 19.905 | ng/ul | 93       |
| 62) 4-Chlorophenyl-phenyle... | 15.345 | 204  | 544147   | 20.375 | ng/ul | 98       |
| 63) 4-Nitroaniline            | 15.381 | 138  | 254287   | 20.967 | ng/ul | 96       |
| 66) 4,6-Dinitro-2-methylph... | 15.439 | 198  | 180966   | 19.535 | ng/ul | 98       |
| 67) N-Nitrosodiphenylamine    | 15.563 | 169  | 965824   | 20.211 | ng/ul | 100      |
| 68) 4-Bromophenyl-phenylether | 16.239 | 248  | 357957   | 21.310 | ng/ul | 97       |
| 69) Hexachlorobenzene         | 16.345 | 284  | 405901   | 21.321 | ng/ul | 96       |
| 70) Atrazine                  | 16.522 | 200  | 279323   | 18.513 | ng/ul | 100      |
| 71) Pentachlorophenol         | 16.698 | 266  | 224341   | 18.418 | ng/ul | 93       |
| 72) Phenanthrene              | 17.086 | 178  | 1741314  | 19.717 | ng/ul | 99       |
| 74) Anthracene                | 17.181 | 178  | 1784672  | 19.944 | ng/ul | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 13.087 | 216  | 460833   | 20.652 | ng/ul | 96       |
| 76) Pentachlorobenzene        | 14.610 | 250  | 469890   | 21.620 | ng/ul | 100      |
| 77) Carbazole                 | 17.457 | 167  | 1620351  | 21.235 | ng/ul | 97       |
| 78) Di-n-butylphthalate       | 18.016 | 149  | 2094009  | 19.947 | ng/ul | 99       |
| 80) Fluoranthene              | 19.110 | 202  | 1919672  | 25.868 | ng/ul | 96       |
| 82) Pyrene                    | 19.475 | 202  | 1898267  | 24.932 | ng/ul | 95       |
| 83) Butylbenzylphthalate      | 20.380 | 149  | 840965   | 23.385 | ng/ul | 93       |
| 84) 3,3'-Dichlorobenzidine    | 21.198 | 252  | 472727   | 21.244 | ng/ul | 98       |
| 85) Benzo(a)anthracene        | 21.263 | 228  | 1572180  | 20.242 | ng/ul | 95       |
| 86) Bis(2-ethylhexyl)phtha... | 21.186 | 149  | 1148302  | 21.905 | ng/ul | 100      |
| 87) Chrysene                  | 21.327 | 228  | 1437385  | 19.813 | ng/ul | 99       |
| 89) Di-n-octyl phthalate      | 22.292 | 149  | 1747925  | 22.312 | ng/ul | 100      |
| 90) Benzo(b)fluoranthene      | 23.280 | 252  | 1365953  | 19.530 | ng/ul | 99       |
| 91) Benzo(k)fluoranthene      | 23.339 | 252  | 1380269  | 20.111 | ng/ul | 98       |
| 93) Benzo(a)pyrene            | 24.068 | 252  | 1283647  | 19.596 | ng/ul | 99       |
| 94) Indeno(1,2,3-cd)pyrene    | 27.498 | 276  | 1589343  | 21.055 | ng/ul | 98       |
| 95) Dibenzo(a,h)anthracene    | 27.551 | 278  | 1299235  | 21.082 | ng/ul | 96       |
| 96) Benzo(g,h,i)perylene      | 28.521 | 276  | 1269440  | 21.155 | ng/ul | 97       |

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

