

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM102824\  
 Data File : BM048329.D  
 Acq On : 30 Oct 2024 18:58  
 Operator : RC/JU  
 Sample : PB164448BS  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SLCS448

Quant Time: Oct 31 11:20:23 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM102624.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Sun Oct 27 23:39:58 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.710  | 152  | 262166   | 20.000 | ng/u1  | -0.01    |
| 20) Naphthalene-d8            | 10.498 | 136  | 1107775  | 20.000 | ng/u1  | -0.01    |
| 38) Acenaphthene-d10          | 14.357 | 164  | 665055   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.098 | 188  | 1251625  | 20.000 | ng/u1  | -0.01    |
| 79) Chrysene-d12              | 21.321 | 240  | 1036331  | 20.000 | ng/u1  | -0.01    |
| 88) Perylene-d12              | 24.268 | 264  | 1099955  | 20.000 | ng/u1  | -0.02    |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.163  | 96   | 33688    | 5.059  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.581  | 84   | 501971   | 26.007 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 6.892  | 99   | 604590   | 26.843 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.045  | 67   | 361914   | 25.940 | ng/u1  | -0.01    |
| 11) 2-Chlorophenol-d4         | 7.251  | 132  | 508150   | 27.743 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.428  | 113  | 471048   | 26.049 | ng/u1  | -0.01    |
| 21) Nitrobenzene-d5           | 8.869  | 128  | 234995   | 25.874 | ng/u1  | -0.01    |
| 24) 2-Nitrophenol-d4          | 9.592  | 143  | 261654   | 26.594 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.128 | 165  | 475213   | 26.468 | ng/u1  | -0.01    |
| 31) 4-Chloroaniline-d4        | 10.639 | 131  | 575833   | 23.097 | ng/u1  | -0.01    |
| 46) Dimethylphthalate-d6      | 13.768 | 166  | 1248552  | 25.122 | ng/u1  | -0.01    |
| 49) Acenaphthylene-d8         | 14.045 | 160  | 1464556  | 26.135 | ng/u1  | -0.01    |
| 54) 4-Nitrophenol-d4          | 14.574 | 143  | 217530   | 23.934 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.351 | 176  | 1051277  | 25.033 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.480 | 200  | 204017   | 24.665 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.198 | 188  | 1538526  | 25.995 | ng/u1  | -0.01    |
| 81) Pyrene-d10                | 19.486 | 212  | 1679227  | 26.702 | ng/u1  | -0.01    |
| 92) Benzo(a)pyrene-d12        | 24.068 | 264  | 1546695  | 26.659 | ng/u1  | -0.01    |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.199  | 88   | 72857    | 10.350 | ng/uL  | 94       |
| 5) Pyridine                   | 3.599  | 79   | 516535   | 26.112 | ng/u1  | 99       |
| 6) Benzaldehyde               | 6.857  | 77   | 44839    | 4.023  | ng/u1  | 97       |
| 8) Phenol                     | 6.916  | 94   | 642540   | 27.393 | ng/u1  | 99       |
| 10) Bis(2-Chloroethyl)ether   | 7.140  | 93   | 495180   | 26.424 | ng/u1  | 99       |
| 12) 2-Chlorophenol            | 7.281  | 128  | 533438   | 28.367 | ng/u1  | 99       |
| 13) 2-Methylphenol            | 8.163  | 108  | 476599   | 27.009 | ng/u1  | 99       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.234  | 45   | 763926   | 26.672 | ng/u1  | 99       |
| 16) Acetophenone              | 8.534  | 105  | 756965   | 26.579 | ng/u1  | 99       |
| 17) N-Nitroso-di-n-propyla... | 8.522  | 70   | 379938   | 26.010 | ng/u1  | 98       |
| 18) 4-Methylphenol            | 8.492  | 108  | 523721   | 26.892 | ng/u1  | 95       |
| 19) Hexachloroethane          | 8.786  | 117  | 215431   | 27.176 | ng/u1  | 98       |
| 22) Nitrobenzene              | 8.910  | 77   | 563978   | 26.723 | ng/u1  | 99       |
| 23) Isophorone                | 9.439  | 82   | 1038196  | 25.385 | ng/u1  | 99       |
| 25) 2-Nitrophenol             | 9.622  | 139  | 288367   | 26.739 | ng/u1  | 99       |
| 26) 2,4-Dimethylphenol        | 9.686  | 107  | 497000   | 25.103 | ng/u1  | 99       |
| 27) Bis(2-Chloroethoxy)met... | 9.916  | 93   | 652679   | 25.731 | ng/u1  | 99       |
| 29) 2,4-Dichlorophenol        | 10.157 | 162  | 491152   | 26.735 | ng/u1  | 99       |
| 30) Naphthalene               | 10.551 | 128  | 1612899  | 26.068 | ng/u1  | 100      |
| 32) 4-Chloroaniline           | 10.663 | 127  | 316073   | 13.085 | ng/u1  | 99       |
| 33) Hexachlorobutadiene       | 10.833 | 225  | 321450   | 26.258 | ng/u1  | 99       |
| 34) Caprolactam               | 11.451 | 113  | 135936   | 23.200 | ng/u1  | 97       |
| 35) 4-Chloro-3-methylphenol   | 11.804 | 107  | 472298   | 25.550 | ng/u1  | 99       |
| 36) 2-Methylnaphthalene       | 12.169 | 142  | 1066824  | 25.580 | ng/u1  | 99       |

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|-------------------------------|--------|------|----------|--------|-------|----------|
| 37) 1-Methylnaphthalene       | 12.392 | 142  | 1050979  | 24.842 | ng/ul | 99       |
| 39) 1,2,4,5-Tetrachloroben... | 12.539 | 216  | 567781   | 26.966 | ng/ul | 99       |
| 40) Hexachlorocyclopentadiene | 12.522 | 237  | 285922   | 22.685 | ng/ul | 99       |
| 41) 2,4,6-Trichlorophenol     | 12.786 | 196  | 366607   | 26.975 | ng/ul | 99       |
| 42) 2,4,5-Trichlorophenol     | 12.863 | 196  | 385430   | 26.851 | ng/ul | 99       |
| 43) 1,1'-Biphenyl             | 13.186 | 154  | 1355909  | 26.582 | ng/ul | 99       |
| 44) 2-Chloronaphthalene       | 13.227 | 162  | 1065913  | 26.967 | ng/ul | 99       |
| 45) 2-Nitroaniline            | 13.439 | 65   | 289545   | 26.468 | ng/ul | 99       |
| 47) Dimethylphthalate         | 13.816 | 163  | 1268075  | 25.440 | ng/ul | 100      |
| 48) 2,6-Dinitrotoluene        | 13.939 | 165  | 259088   | 26.732 | ng/ul | 92       |
| 50) Acenaphthylene            | 14.074 | 152  | 1621575  | 26.491 | ng/ul | 100      |
| 51) 3-Nitroaniline            | 14.268 | 138  | 239200   | 23.446 | ng/ul | 100      |
| 52) Acenaphthene              | 14.421 | 153  | 1133095  | 26.087 | ng/ul | 100      |
| 53) 2,4-Dinitrophenol         | 14.480 | 184  | 141538   | 21.472 | ng/ul | 95       |
| 55) 4-Nitrophenol             | 14.586 | 109  | 161107   | 24.282 | ng/ul | 97       |
| 56) Dibenzofuran              | 14.757 | 168  | 1545792  | 25.868 | ng/ul | 99       |
| 57) 2,4-Dinitrotoluene        | 14.727 | 165  | 368517   | 26.008 | ng/ul | 99       |
| 58) 2,3,4,6-Tetrachlorophenol | 14.986 | 232  | 319368   | 25.950 | ng/ul | 97       |
| 59) Diethylphthalate          | 15.180 | 149  | 1273934  | 25.404 | ng/ul | 99       |
| 61) Fluorene                  | 15.404 | 166  | 1216644  | 25.568 | ng/ul | 100      |
| 62) 4-Chlorophenyl-phenyle... | 15.398 | 204  | 609605   | 25.520 | ng/ul | 98       |
| 63) 4-Nitroaniline            | 15.433 | 138  | 267586   | 28.967 | ng/ul | 99       |
| 66) 4,6-Dinitro-2-methylph... | 15.492 | 198  | 225483   | 25.429 | ng/ul | 95       |
| 67) N-Nitrosodiphenylamine    | 15.615 | 169  | 1007969  | 26.973 | ng/ul | 100      |
| 68) 4-Bromophenyl-phenylether | 16.292 | 248  | 369746   | 27.076 | ng/ul | 99       |
| 69) Hexachlorobenzene         | 16.409 | 284  | 430083   | 26.323 | ng/ul | 98       |
| 70) Atrazine                  | 16.568 | 200  | 351990   | 27.511 | ng/ul | 99       |
| 71) Pentachlorophenol         | 16.757 | 266  | 273406   | 26.447 | ng/ul | 99       |
| 72) Phenanthrene              | 17.139 | 178  | 1823871  | 26.316 | ng/ul | 100      |
| 74) Anthracene                | 17.233 | 178  | 1835279  | 26.457 | ng/ul | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 13.151 | 216  | 549045   | 27.719 | ng/ul | 100      |
| 76) Pentachlorobenzene        | 14.674 | 250  | 526719   | 26.130 | ng/ul | 99       |
| 77) Carbazole                 | 17.504 | 167  | 1644129  | 26.993 | ng/ul | 100      |
| 78) Di-n-butylphthalate       | 18.068 | 149  | 2156025  | 26.936 | ng/ul | 100      |
| 80) Fluoranthene              | 19.156 | 202  | 2003861  | 27.385 | ng/ul | 98       |
| 82) Pyrene                    | 19.521 | 202  | 2117635  | 26.991 | ng/ul | 100      |
| 83) Butylbenzylphthalate      | 20.415 | 149  | 898503   | 27.713 | ng/ul | 97       |
| 84) 3,3'-Dichlorobenzidine    | 21.233 | 252  | 557406   | 24.651 | ng/ul | 99       |
| 85) Benzo(a)anthracene        | 21.303 | 228  | 1972448  | 26.392 | ng/ul | 99       |
| 86) Bis(2-ethylhexyl)phtha... | 21.227 | 149  | 1322784  | 28.313 | ng/ul | 98       |
| 87) Chrysene                  | 21.368 | 228  | 1851435  | 26.345 | ng/ul | 99       |
| 89) Di-n-octyl phthalate      | 22.339 | 149  | 2184412  | 26.545 | ng/ul | 100      |
| 90) Benzo(b)fluoranthene      | 23.338 | 252  | 1884679  | 26.849 | ng/ul | 99       |
| 91) Benzo(k)fluoranthene      | 23.397 | 252  | 1872451  | 26.642 | ng/ul | 99       |
| 93) Benzo(a)pyrene            | 24.127 | 252  | 1719917  | 26.934 | ng/ul | 99       |
| 94) Indeno(1,2,3-cd)pyrene    | 27.585 | 276  | 2196889  | 28.566 | ng/ul | 98       |
| 95) Dibenzo(a,h)anthracene    | 27.626 | 278  | 1811958  | 28.808 | ng/ul | 100      |
| 96) Benzo(g,h,i)perylene      | 28.609 | 276  | 1706358  | 28.913 | ng/ul | 98       |

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

