

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM102624\  
 Data File : BM048243.D  
 Acq On : 26 Oct 2024 11:53  
 Operator : RC/JU  
 Sample : SSTD02050  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTD020036

Quant Time: Oct 27 23:18:09 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM102624.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Sun Oct 27 23:07:41 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.722  | 152  | 227528   | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.510 | 136  | 968895   | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.363 | 164  | 640093   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.109 | 188  | 1297641  | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.333 | 240  | 1103255  | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 24.285 | 264  | 1106744  | 20.000 | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.169  | 96   | 47645    | 7.951  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.587  | 84   | 339855   | 21.080 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 6.898  | 99   | 388208   | 21.064 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.057  | 67   | 249329   | 22.775 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.257  | 132  | 329693   | 20.682 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.439  | 113  | 315710   | 22.009 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 8.881  | 128  | 163553   | 20.004 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.598  | 143  | 177893   | 19.662 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.139 | 165  | 325879   | 20.451 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.651 | 131  | 447378   | 21.451 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.780 | 166  | 977659   | 21.029 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.057 | 160  | 1109064  | 20.064 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.580 | 143  | 178055   | 20.721 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.357 | 176  | 832968   | 20.986 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.486 | 200  | 170553   | 20.320 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.209 | 188  | 1272399  | 20.675 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.497 | 212  | 1420595  | 21.072 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.080 | 264  | 1193279  | 20.186 | ng/u1  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.204  | 88   | 49556    | 7.897  | ng/uL  | 100      |
| 5) Pyridine                   | 3.610  | 79   | 350350   | 21.267 | ng/u1  | 100      |
| 6) Benzaldehyde               | 6.863  | 77   | 216351   | 25.367 | ng/u1  | 100      |
| 8) Phenol                     | 6.928  | 94   | 410355   | 21.646 | ng/u1  | 100      |
| 10) Bis(2-Chloroethyl)ether   | 7.145  | 93   | 330268   | 21.706 | ng/u1  | 100      |
| 12) 2-Chlorophenol            | 7.287  | 128  | 337364   | 21.004 | ng/u1  | 100      |
| 13) 2-Methylphenol            | 8.175  | 108  | 311305   | 21.708 | ng/u1  | 100      |
| 14) 2,2'-oxybis(1-Chloropr... | 8.239  | 45   | 522048   | 24.306 | ng/u1  | 100      |
| 16) Acetophenone              | 8.545  | 105  | 528924   | 24.045 | ng/u1  | 100      |
| 17) N-Nitroso-di-n-propyla... | 8.533  | 70   | 269873   | 25.911 | ng/u1  | 100      |
| 18) 4-Methylphenol            | 8.498  | 108  | 346607   | 22.465 | ng/u1  | 100      |
| 19) Hexachloroethane          | 8.798  | 117  | 142304   | 20.841 | ng/u1  | 100      |
| 22) Nitrobenzene              | 8.922  | 77   | 381193   | 21.546 | ng/u1  | 100      |
| 23) Isophorone                | 9.451  | 82   | 746126   | 22.052 | ng/u1  | 100      |
| 25) 2-Nitrophenol             | 9.633  | 139  | 196374   | 20.354 | ng/u1  | 100      |
| 26) 2,4-Dimethylphenol        | 9.698  | 107  | 362590   | 21.574 | ng/u1  | 100      |
| 27) Bis(2-Chloroethoxy)met... | 9.928  | 93   | 456231   | 21.523 | ng/u1  | 100      |
| 29) 2,4-Dichlorophenol        | 10.169 | 162  | 332565   | 20.835 | ng/u1  | 100      |
| 30) Naphthalene               | 10.563 | 128  | 1107258  | 20.674 | ng/u1  | 100      |
| 32) 4-Chloroaniline           | 10.675 | 127  | 438329   | 21.794 | ng/u1  | 100      |
| 33) Hexachlorobutadiene       | 10.845 | 225  | 217063   | 20.574 | ng/u1  | 100      |
| 34) Caprolactam               | 11.457 | 113  | 103491   | 20.962 | ng/u1  | 100      |
| 35) 4-Chloro-3-methylphenol   | 11.816 | 107  | 340147   | 22.168 | ng/u1  | 100      |
| 36) 2-Methylnaphthalene       | 12.180 | 142  | 754254   | 21.638 | ng/u1  | 100      |

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 SSTD020036

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 Quant Title : SVOA CALIBRATION  
 QLast Update : Sun Oct 27 23:07:41 2024  
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| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 37) 1-Methylnaphthalene       | 12.398 | 142  | 764862   | 21.787 | ng/ul | 100      |
| 39) 1,2,4,5-Tetrachloroben... | 12.551 | 216  | 410036   | 19.661 | ng/ul | 100      |
| 40) Hexachlorocyclopentadiene | 12.527 | 237  | 239729   | 20.541 | ng/ul | 100      |
| 41) 2,4,6-Trichlorophenol     | 12.798 | 196  | 267250   | 19.486 | ng/ul | 100      |
| 42) 2,4,5-Trichlorophenol     | 12.874 | 196  | 289385   | 20.036 | ng/ul | 100      |
| 43) 1,1'-Biphenyl             | 13.198 | 154  | 1000415  | 20.237 | ng/ul | 100      |
| 44) 2-Chloronaphthalene       | 13.239 | 162  | 772062   | 19.696 | ng/ul | 100      |
| 45) 2-Nitroaniline            | 13.451 | 65   | 216417   | 21.242 | ng/ul | 100      |
| 47) Dimethylphthalate         | 13.827 | 163  | 984380   | 21.056 | ng/ul | 100      |
| 48) 2,6-Dinitrotoluene        | 13.945 | 165  | 192321   | 20.714 | ng/ul | 100      |
| 50) Acenaphthylene            | 14.086 | 152  | 1221666  | 20.429 | ng/ul | 100      |
| 51) 3-Nitroaniline            | 14.274 | 138  | 194792   | 20.114 | ng/ul | 100      |
| 52) Acenaphthene              | 14.427 | 153  | 853277   | 20.624 | ng/ul | 100      |
| 53) 2,4-Dinitrophenol         | 14.486 | 184  | 119152   | 19.451 | ng/ul | 100      |
| 55) 4-Nitrophenol             | 14.598 | 109  | 130490   | 21.827 | ng/ul | 100      |
| 56) Dibenzofuran              | 14.762 | 168  | 1190687  | 21.035 | ng/ul | 100      |
| 57) 2,4-Dinitrotoluene        | 14.739 | 165  | 287398   | 21.790 | ng/ul | 100      |
| 58) 2,3,4,6-Tetrachlorophenol | 14.998 | 232  | 247188   | 21.216 | ng/ul | 100      |
| 59) Diethylphthalate          | 15.192 | 149  | 998164   | 21.530 | ng/ul | 100      |
| 61) Fluorene                  | 15.415 | 166  | 957625   | 21.646 | ng/ul | 100      |
| 62) 4-Chlorophenyl-phenyle... | 15.410 | 204  | 482763   | 21.942 | ng/ul | 100      |
| 63) 4-Nitroaniline            | 15.439 | 138  | 188664   | 22.494 | ng/ul | 100      |
| 66) 4,6-Dinitro-2-methylph... | 15.504 | 198  | 187206   | 20.735 | ng/ul | 100      |
| 67) N-Nitrosodiphenylamine    | 15.621 | 169  | 808297   | 20.713 | ng/ul | 100      |
| 68) 4-Bromophenyl-phenylether | 16.304 | 248  | 290816   | 20.657 | ng/ul | 100      |
| 69) Hexachlorobenzene         | 16.415 | 284  | 346716   | 20.838 | ng/ul | 100      |
| 70) Atrazine                  | 16.580 | 200  | 278425   | 21.259 | ng/ul | 100      |
| 71) Pentachlorophenol         | 16.762 | 266  | 216182   | 20.152 | ng/ul | 100      |
| 72) Phenanthrene              | 17.151 | 178  | 1481535  | 20.871 | ng/ul | 100      |
| 74) Anthracene                | 17.239 | 178  | 1504070  | 21.115 | ng/ul | 100      |
| 75) 1,2,3,4-Tetrachloroben... | 13.163 | 216  | 411139   | 18.848 | ng/ul | 100      |
| 76) Pentachlorobenzene        | 14.686 | 250  | 425320   | 20.023 | ng/ul | 100      |
| 77) Carbazole                 | 17.515 | 167  | 1347649  | 21.359 | ng/ul | 100      |
| 78) Di-n-butylphthalate       | 18.074 | 149  | 1722818  | 20.731 | ng/ul | 100      |
| 80) Fluoranthene              | 19.168 | 202  | 1654536  | 21.094 | ng/ul | 100      |
| 82) Pyrene                    | 19.527 | 202  | 1781374  | 21.319 | ng/ul | 100      |
| 83) Butylbenzylphthalate      | 20.427 | 149  | 720490   | 19.848 | ng/ul | 100      |
| 84) 3,3'-Dichlorobenzidine    | 21.239 | 252  | 498738   | 20.269 | ng/ul | 100      |
| 85) Benzo(a)anthracene        | 21.315 | 228  | 1612546  | 20.102 | ng/ul | 100      |
| 86) Bis(2-ethylhexyl)phtha... | 21.239 | 149  | 1034793  | 19.721 | ng/ul | 100      |
| 87) Chrysene                  | 21.374 | 228  | 1526576  | 20.194 | ng/ul | 100      |
| 89) Di-n-octyl phthalate      | 22.350 | 149  | 1618136  | 20.263 | ng/ul | 100      |
| 90) Benzo(b)fluoranthene      | 23.350 | 252  | 1427335  | 20.475 | ng/ul | 100      |
| 91) Benzo(k)fluoranthene      | 23.415 | 252  | 1479584  | 21.310 | ng/ul | 100      |
| 93) Benzo(a)pyrene            | 24.144 | 252  | 1321351  | 20.361 | ng/ul | 100      |
| 94) Indeno(1,2,3-cd)pyrene    | 27.609 | 276  | 1571522  | 18.680 | ng/ul | 100      |
| 95) Dibenzo(a,h)anthracene    | 27.656 | 278  | 1292841  | 19.020 | ng/ul | 100      |
| 96) Benzo(g,h,i)perylene      | 28.644 | 276  | 1196825  | 18.279 | ng/ul | 100      |

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

