

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM100724\  
 Data File : BM047916.D  
 Acq On : 08 Oct 2024 17:06  
 Operator : RC/JU  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTD020169

Quant Time: Oct 08 18:05:35 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM092724.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Oct 04 08:32:31 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.792  | 152  | 261795   | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.586 | 136  | 1088232  | 20.000 | ng/u1  | # 0.00   |
| 38) Acenaphthene-d10          | 14.427 | 164  | 662207   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.168 | 188  | 1299673  | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.397 | 240  | 1158880  | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 24.391 | 264  | 1279566  | 20.000 | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.252  | 96   | 51092    | 6.307  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.663  | 84   | 381491   | 16.083 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 6.963  | 99   | 445416   | 17.993 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.122  | 67   | 275246   | 15.669 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.328  | 132  | 371278   | 20.614 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.504  | 113  | 351377   | 19.091 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 8.951  | 128  | 176934   | 20.420 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.669  | 143  | 185165   | 22.300 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.210 | 165  | 356645   | 21.502 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.722 | 131  | 485857   | 18.947 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.839 | 166  | 954209   | 19.875 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.121 | 160  | 1137831  | 19.989 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.627 | 143  | 175950   | 18.407 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.421 | 176  | 828555   | 19.924 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.539 | 200  | 132489   | 17.420 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.268 | 188  | 1248010  | 19.529 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.556 | 212  | 1380514  | 20.989 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.185 | 264  | 1301720  | 19.607 | ng/u1  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.287  | 88   | 57663    | 6.517  | ng/uL  | 88       |
| 5) Pyridine                   | 3.687  | 79   | 401757   | 16.089 | ng/u1  | 90       |
| 6) Benzaldehyde               | 6.934  | 77   | 255598   | 18.986 | ng/u1  | 94       |
| 8) Phenol                     | 6.987  | 94   | 453030   | 17.199 | ng/u1  | 93       |
| 10) Bis(2-Chloroethyl)ether   | 7.216  | 93   | 370366   | 17.646 | ng/u1  | 91       |
| 12) 2-Chlorophenol            | 7.357  | 128  | 372500   | 19.522 | ng/u1  | 92       |
| 13) 2-Methylphenol            | 8.239  | 108  | 342190   | 18.631 | ng/u1  | 96       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.316  | 45   | 555038   | 14.048 | ng/u1# | 95       |
| 16) Acetophenone              | 8.616  | 105  | 566268   | 17.981 | ng/u1# | 91       |
| 17) N-Nitroso-di-n-propyla... | 8.598  | 70   | 283013   | 16.967 | ng/u1# | 88       |
| 18) 4-Methylphenol            | 8.563  | 108  | 369488   | 17.901 | ng/u1  | 100      |
| 19) Hexachloroethane          | 8.875  | 117  | 156923   | 18.297 | ng/u1  | 86       |
| 22) Nitrobenzene              | 8.992  | 77   | 419897   | 17.060 | ng/u1  | 91       |
| 23) Isophorone                | 9.522  | 82   | 791539   | 17.977 | ng/u1  | 95       |
| 25) 2-Nitrophenol             | 9.698  | 139  | 201835   | 21.248 | ng/u1  | 89       |
| 26) 2,4-Dimethylphenol        | 9.763  | 107  | 382584   | 18.797 | ng/u1  | 95       |
| 27) Bis(2-Chloroethoxy)met... | 9.998  | 93   | 483997   | 17.972 | ng/u1  | 99       |
| 29) 2,4-Dichlorophenol        | 10.233 | 162  | 352752   | 20.596 | ng/u1  | 98       |
| 30) Naphthalene               | 10.639 | 128  | 1204510  | 19.243 | ng/u1  | 100      |
| 32) 4-Chloroaniline           | 10.745 | 127  | 468060   | 18.537 | ng/u1  | 99       |
| 33) Hexachlorobutadiene       | 10.927 | 225  | 227431   | 20.097 | ng/u1  | 99       |
| 34) Caprolactam               | 11.516 | 113  | 102833   | 18.773 | ng/u1  | 79       |
| 35) 4-Chloro-3-methylphenol   | 11.874 | 107  | 349438   | 19.709 | ng/u1  | 96       |
| 36) 2-Methylnaphthalene       | 12.251 | 142  | 785017   | 19.738 | ng/u1  | 98       |

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| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 37) 1-Methylnaphthalene       | 12.469 | 142  | 816871   | 20.187 | ng/ul  | 99       |
| 39) 1,2,4,5-Tetrachloroben... | 12.621 | 216  | 421620   | 19.559 | ng/ul# | 95       |
| 40) Hexachlorocyclopentadiene | 12.604 | 237  | 203205   | 15.585 | ng/ul  | 98       |
| 41) 2,4,6-Trichlorophenol     | 12.863 | 196  | 267605   | 21.456 | ng/ul  | 98       |
| 42) 2,4,5-Trichlorophenol     | 12.933 | 196  | 286747   | 21.024 | ng/ul  | 96       |
| 43) 1,1'-Biphenyl             | 13.263 | 154  | 1018564  | 19.211 | ng/ul# | 98       |
| 44) 2-Chloronaphthalene       | 13.304 | 162  | 811476   | 19.789 | ng/ul  | 97       |
| 45) 2-Nitroaniline            | 13.504 | 65   | 219606   | 16.870 | ng/ul# | 81       |
| 47) Dimethylphthalate         | 13.886 | 163  | 958755   | 19.718 | ng/ul  | 99       |
| 48) 2,6-Dinitrotoluene        | 13.998 | 165  | 184654   | 21.624 | ng/ul  | 87       |
| 50) Acenaphthylene            | 14.151 | 152  | 1324036  | 20.625 | ng/ul  | 99       |
| 51) 3-Nitroaniline            | 14.327 | 138  | 199841   | 19.337 | ng/ul  | 92       |
| 52) Acenaphthene              | 14.492 | 153  | 862353   | 19.003 | ng/ul  | 98       |
| 53) 2,4-Dinitrophenol         | 14.539 | 184  | 80615    | 15.278 | ng/ul# | 75       |
| 55) 4-Nitrophenol             | 14.639 | 109  | 131567   | 16.393 | ng/ul  | 92       |
| 56) Dibenzofuran              | 14.827 | 168  | 1175069  | 19.237 | ng/ul  | 97       |
| 57) 2,4-Dinitrotoluene        | 14.792 | 165  | 269169   | 20.988 | ng/ul# | 79       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.057 | 232  | 239545   | 22.281 | ng/ul# | 93       |
| 59) Diethylphthalate          | 15.251 | 149  | 964063   | 19.817 | ng/ul  | 98       |
| 61) Fluorene                  | 15.474 | 166  | 968498   | 19.004 | ng/ul  | 100      |
| 62) 4-Chlorophenyl-phenyle... | 15.468 | 204  | 478712   | 19.879 | ng/ul  | 96       |
| 63) 4-Nitroaniline            | 15.486 | 138  | 208052   | 20.728 | ng/ul  | 95       |
| 66) 4,6-Dinitro-2-methylph... | 15.551 | 198  | 148366   | 17.605 | ng/ul# | 88       |
| 67) N-Nitrosodiphenylamine    | 15.680 | 169  | 785645   | 19.399 | ng/ul  | 99       |
| 68) 4-Bromophenyl-phenylether | 16.362 | 248  | 285284   | 21.295 | ng/ul  | 95       |
| 69) Hexachlorobenzene         | 16.480 | 284  | 329669   | 21.146 | ng/ul  | 94       |
| 70) Atrazine                  | 16.633 | 200  | 239361   | 17.755 | ng/ul  | 97       |
| 71) Pentachlorophenol         | 16.821 | 266  | 205418   | 20.721 | ng/ul  | 99       |
| 72) Phenanthrene              | 17.209 | 178  | 1470076  | 19.288 | ng/ul  | 99       |
| 74) Anthracene                | 17.304 | 178  | 1515385  | 19.494 | ng/ul  | 100      |
| 75) 1,2,3,4-Tetrachloroben... | 13.227 | 216  | 410146   | 19.060 | ng/uL  | 99       |
| 76) Pentachlorobenzene        | 14.751 | 250  | 400412   | 19.063 | ng/uL  | 98       |
| 77) Carbazole                 | 17.568 | 167  | 1344901  | 19.087 | ng/ul  | 99       |
| 78) Di-n-butylphthalate       | 18.133 | 149  | 1609995  | 20.524 | ng/ul  | 98       |
| 80) Fluoranthene              | 19.221 | 202  | 1643394  | 21.215 | ng/ul  | 98       |
| 82) Pyrene                    | 19.586 | 202  | 1724765  | 20.005 | ng/ul  | 95       |
| 83) Butylbenzylphthalate      | 20.480 | 149  | 693705   | 22.759 | ng/ul  | 84       |
| 84) 3,3'-Dichlorobenzidine    | 21.297 | 252  | 480888   | 19.638 | ng/ul  | 98       |
| 85) Benzo(a)anthracene        | 21.374 | 228  | 1643257  | 20.252 | ng/ul  | 99       |
| 86) Bis(2-ethylhexyl)phtha... | 21.297 | 149  | 1030665  | 22.522 | ng/ul  | 97       |
| 87) Chrysene                  | 21.439 | 228  | 1536609  | 19.425 | ng/ul  | 99       |
| 89) Di-n-octyl phthalate      | 22.427 | 149  | 1732830  | 20.995 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 23.444 | 252  | 1584377  | 19.855 | ng/ul  | 98       |
| 91) Benzo(k)fluoranthene      | 23.509 | 252  | 1590799  | 19.497 | ng/ul  | 99       |
| 93) Benzo(a)pyrene            | 24.250 | 252  | 1499152  | 19.782 | ng/ul  | 98       |
| 94) Indeno(1,2,3-cd)pyrene    | 27.773 | 276  | 1813704  | 18.675 | ng/ul  | 98       |
| 95) Dibenzo(a,h)anthracene    | 27.826 | 278  | 1518106  | 19.074 | ng/ul  | 99       |
| 96) Benzo(g,h,i)perylene      | 28.826 | 276  | 1474454  | 19.377 | ng/ul  | 97       |

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

