

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM101724\  
 Data File : BM048105.D  
 Acq On : 17 Oct 2024 13:45  
 Operator : RC/JU  
 Sample : SSTD04045  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTD040030

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 10/18/2024  
 Supervised By :mohammad ahmed 10/19/2024

Quant Time: Oct 17 14:47:11 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM101724.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Oct 17 14:37:21 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.775  | 152  | 272233   | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.563 | 136  | 1059548  | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.410 | 164  | 616174   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.151 | 188  | 1189895  | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.374 | 240  | 1013479  | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 24.362 | 264  | 1185648  | 20.000 | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.234  | 96   | 110469   | 13.549 | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.652  | 84   | 768648   | 32.450 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 6.951  | 99   | 869643   | 34.354 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.104  | 67   | 519705   | 30.060 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.310  | 132  | 759810   | 40.364 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.487  | 113  | 686884   | 36.080 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 8.928  | 128  | 366120   | 42.846 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.651  | 143  | 408459   | 47.793 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.192 | 165  | 704587   | 42.787 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.698 | 131  | 931855   | 37.390 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.822 | 166  | 1790114  | 39.908 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.104 | 160  | 2142708  | 40.350 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.622 | 143  | 345574   | 38.834 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.404 | 176  | 1515420  | 39.132 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.527 | 200  | 320663   | 44.051 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.251 | 188  | 2252654  | 38.503 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.539 | 212  | 2490400  | 42.434 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.162 | 264  | 2522725  | 40.502 | ng/u1  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.269  | 88   | 116911   | 13.225 | ng/uL  | 99       |
| 5) Pyridine                   | 3.669  | 79   | 779720   | 31.538 | ng/u1  | 97       |
| 6) Benzaldehyde               | 6.916  | 77   | 505775   | 42.188 | ng/u1  | 98       |
| 8) Phenol                     | 6.975  | 94   | 899165   | 33.522 | ng/u1  | 98       |
| 10) Bis(2-Chloroethyl)ether   | 7.198  | 93   | 723652   | 34.114 | ng/u1  | 98       |
| 12) 2-Chlorophenol            | 7.340  | 128  | 769856   | 38.975 | ng/u1  | 100      |
| 13) 2-Methylphenol            | 8.222  | 108  | 687698   | 36.100 | ng/u1  | 98       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.293  | 45   | 1033436  | 27.068 | ng/u1  | 100      |
| 16) Acetophenone              | 8.592  | 105  | 1071653  | 33.525 | ng/u1  | 99       |
| 17) N-Nitroso-di-n-propyla... | 8.581  | 70   | 500851   | 30.450 | ng/u1  | 98       |
| 18) 4-Methylphenol            | 8.551  | 108  | 745835   | 35.135 | ng/u1  | 99       |
| 19) Hexachloroethane          | 8.851  | 117  | 323045   | 36.708 | ng/u1  | 97       |
| 22) Nitrobenzene              | 8.969  | 77   | 782678   | 33.778 | ng/u1  | 98       |
| 23) Isophorone                | 9.498  | 82   | 1482035  | 35.478 | ng/u1  | 99       |
| 25) 2-Nitrophenol             | 9.681  | 139  | 431064   | 45.146 | ng/u1  | 98       |
| 26) 2,4-Dimethylphenol        | 9.745  | 107  | 721050   | 36.709 | ng/u1  | 98       |
| 27) Bis(2-Chloroethoxy)met... | 9.975  | 93   | 928176   | 36.264 | ng/u1  | 99       |
| 29) 2,4-Dichlorophenol        | 10.216 | 162  | 704938   | 41.795 | ng/u1  | 98       |
| 30) Naphthalene               | 10.616 | 128  | 2310447  | 38.053 | ng/u1  | 100      |
| 32) 4-Chloroaniline           | 10.722 | 127  | 901899   | 37.028 | ng/u1  | 99       |
| 33) Hexachlorobutadiene       | 10.898 | 225  | 455082   | 40.658 | ng/u1  | 99       |
| 34) Caprolactam               | 11.510 | 113  | 213383m  | 39.226 | ng/u1  |          |
| 35) 4-Chloro-3-methylphenol   | 11.857 | 107  | 686443   | 39.894 | ng/u1  | 99       |
| 36) 2-Methylnaphthalene       | 12.228 | 142  | 1507305  | 38.740 | ng/u1  | 100      |

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|-------------------------------|--------|------|----------|--------|-------|----------|
| 37) 1-Methylnaphthalene       | 12.445 | 142  | 1522452  | 38.614 | ng/ul | 100      |
| 39) 1,2,4,5-Tetrachloroben... | 12.598 | 216  | 807251   | 40.147 | ng/ul | 100      |
| 40) Hexachlorocyclopentadiene | 12.575 | 237  | 466998   | 38.888 | ng/ul | 100      |
| 41) 2,4,6-Trichlorophenol     | 12.845 | 196  | 539985   | 45.411 | ng/ul | 100      |
| 42) 2,4,5-Trichlorophenol     | 12.922 | 196  | 566393   | 43.798 | ng/ul | 99       |
| 43) 1,1'-Biphenyl             | 13.239 | 154  | 1912881  | 38.859 | ng/ul | 100      |
| 44) 2-Chloronaphthalene       | 13.280 | 162  | 1504171  | 39.403 | ng/ul | 100      |
| 45) 2-Nitroaniline            | 13.492 | 65   | 413498   | 35.479 | ng/ul | 96       |
| 47) Dimethylphthalate         | 13.869 | 163  | 1799135  | 39.713 | ng/ul | 99       |
| 48) 2,6-Dinitrotoluene        | 13.986 | 165  | 380910   | 46.746 | ng/ul | 99       |
| 50) Acenaphthylene            | 14.133 | 152  | 2298632  | 38.580 | ng/ul | 99       |
| 51) 3-Nitroaniline            | 14.316 | 138  | 406815   | 43.468 | ng/ul | 96       |
| 52) Acenaphthene              | 14.474 | 153  | 1586599  | 37.840 | ng/ul | 99       |
| 53) 2,4-Dinitrophenol         | 14.527 | 184  | 241211   | 46.407 | ng/ul | 97       |
| 55) 4-Nitrophenol             | 14.639 | 109  | 236255   | 32.784 | ng/ul | 95       |
| 56) Dibenzofuran              | 14.810 | 168  | 2159595  | 38.116 | ng/ul | 100      |
| 57) 2,4-Dinitrotoluene        | 14.780 | 165  | 538997   | 44.539 | ng/ul | 95       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.039 | 232  | 453551   | 44.249 | ng/ul | 99       |
| 59) Diethylphthalate          | 15.233 | 149  | 1781627  | 39.295 | ng/ul | 100      |
| 61) Fluorene                  | 15.457 | 166  | 1664221  | 35.721 | ng/ul | 99       |
| 62) 4-Chlorophenyl-phenyle... | 15.451 | 204  | 833721   | 37.409 | ng/ul | 99       |
| 63) 4-Nitroaniline            | 15.480 | 138  | 380427   | 43.868 | ng/ul | 98       |
| 66) 4,6-Dinitro-2-methylph... | 15.545 | 198  | 346279   | 43.309 | ng/ul | 95       |
| 67) N-Nitrosodiphenylamine    | 15.663 | 169  | 1427811  | 38.686 | ng/ul | 99       |
| 68) 4-Bromophenyl-phenylether | 16.345 | 248  | 521258   | 41.715 | ng/ul | 97       |
| 69) Hexachlorobenzene         | 16.463 | 284  | 601117   | 41.212 | ng/ul | 100      |
| 70) Atrazine                  | 16.616 | 200  | 498042   | 40.006 | ng/ul | 99       |
| 71) Pentachlorophenol         | 16.804 | 266  | 401192   | 42.484 | ng/ul | 99       |
| 72) Phenanthrene              | 17.192 | 178  | 2589609  | 37.450 | ng/ul | 100      |
| 74) Anthracene                | 17.286 | 178  | 2592075  | 36.761 | ng/ul | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 13.210 | 216  | 806034   | 40.602 | ng/ul | 99       |
| 76) Pentachlorobenzene        | 14.733 | 250  | 765761   | 39.397 | ng/ul | 99       |
| 77) Carbazole                 | 17.557 | 167  | 2382632  | 37.204 | ng/ul | 100      |
| 78) Di-n-butylphthalate       | 18.115 | 149  | 3073860  | 42.054 | ng/ul | 99       |
| 80) Fluoranthene              | 19.204 | 202  | 2909445  | 42.220 | ng/ul | 99       |
| 82) Pyrene                    | 19.568 | 202  | 3082186  | 40.472 | ng/ul | 98       |
| 83) Butylbenzylphthalate      | 20.456 | 149  | 1375249  | 48.824 | ng/ul | 99       |
| 84) 3,3'-Dichlorobenzidine    | 21.280 | 252  | 983280   | 45.026 | ng/ul | 99       |
| 85) Benzo(a)anthracene        | 21.356 | 228  | 2946723  | 41.045 | ng/ul | 100      |
| 86) Bis(2-ethylhexyl)phtha... | 21.274 | 149  | 1967025  | 46.758 | ng/ul | 100      |
| 87) Chrysene                  | 21.421 | 228  | 2764180  | 39.775 | ng/ul | 99       |
| 89) Di-n-octyl phthalate      | 22.397 | 149  | 3525702  | 43.626 | ng/ul | 100      |
| 90) Benzo(b)fluoranthene      | 23.421 | 252  | 2996485  | 40.298 | ng/ul | 99       |
| 91) Benzo(k)fluoranthene      | 23.480 | 252  | 2917857  | 38.321 | ng/ul | 99       |
| 93) Benzo(a)pyrene            | 24.227 | 252  | 2786258  | 39.464 | ng/ul | 100      |
| 94) Indeno(1,2,3-cd)pyrene    | 27.738 | 276  | 3599936  | 39.717 | ng/ul | 99       |
| 95) Dibenzo(a,h)anthracene    | 27.785 | 278  | 2924448  | 39.359 | ng/ul | 99       |
| 96) Benzo(g,h,i)perylene      | 28.791 | 276  | 2828512  | 39.960 | ng/ul | 99       |

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

