

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM101124\  
 Data File : BM048011.D  
 Acq On : 11 Oct 2024 14:05  
 Operator : RC/JU  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTD020176

Manual Integrations  
 APPROVED

Reviewed By :Jagrut Upadhyay 10/14/2024  
 Supervised By :mohammad ahmed 10/15/2024

Quant Time: Oct 11 16:02:31 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM092724.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Oct 10 05:10:14 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.781  | 152  | 139822   | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.569 | 136  | 538893   | 20.000 | ng/u1  | -0.01    |
| 38) Acenaphthene-d10          | 14.415 | 164  | 316136   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.156 | 188  | 634556   | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.380 | 240  | 670981   | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 24.362 | 264  | 797030   | 20.000 | ng/u1  | -0.01    |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.234  | 96   | 30753    | 7.108  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.651  | 84   | 212345   | 16.762 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 6.951  | 99   | 223241   | 16.885 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.110  | 67   | 137811   | 14.689 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.316  | 132  | 183905   | 19.118 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.486  | 113  | 167536   | 17.043 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 8.933  | 128  | 85233    | 19.865 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.657  | 143  | 87675    | 21.323 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.198 | 165  | 164246   | 19.996 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.710 | 131  | 221134m  | 17.414 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.827 | 166  | 430493   | 18.782 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.110 | 160  | 512838   | 18.871 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.615 | 143  | 79220    | 17.360 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.409 | 176  | 377816   | 19.031 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.527 | 200  | 67309    | 18.126 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.251 | 188  | 580559   | 18.607 | ng/u1  | -0.01    |
| 81) Pyrene-d10                | 19.539 | 212  | 688162   | 18.071 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.156 | 264  | 769793   | 18.615 | ng/u1  | -0.01    |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.269  | 88   | 33983    | 7.191  | ng/uL  | 91       |
| 5) Pyridine                   | 3.669  | 79   | 225455   | 16.904 | ng/u1  | 97       |
| 6) Benzaldehyde               | 6.922  | 77   | 124671   | 17.339 | ng/u1  | 94       |
| 8) Phenol                     | 6.981  | 94   | 228805   | 16.264 | ng/u1  | 92       |
| 10) Bis(2-Chloroethyl)ether   | 7.204  | 93   | 182851   | 16.312 | ng/u1  | 92       |
| 12) 2-Chlorophenol            | 7.345  | 128  | 188807   | 18.527 | ng/u1  | 93       |
| 13) 2-Methylphenol            | 8.228  | 108  | 163454   | 16.663 | ng/u1  | 97       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.304  | 45   | 281842   | 13.356 | ng/u1# | 95       |
| 16) Acetophenone              | 8.598  | 105  | 269813   | 16.041 | ng/u1  | 94       |
| 17) N-Nitroso-di-n-propyla... | 8.586  | 70   | 135974   | 15.263 | ng/u1  | 90       |
| 18) 4-Methylphenol            | 8.551  | 108  | 175443   | 15.915 | ng/u1  | 97       |
| 19) Hexachloroethane          | 8.857  | 117  | 79497    | 17.355 | ng/u1  | 93       |
| 22) Nitrobenzene              | 8.975  | 77   | 206524   | 16.944 | ng/u1  | 94       |
| 23) Isophorone                | 9.504  | 82   | 362783   | 16.639 | ng/u1  | 96       |
| 25) 2-Nitrophenol             | 9.686  | 139  | 93676    | 19.914 | ng/u1  | 92       |
| 26) 2,4-Dimethylphenol        | 9.751  | 107  | 182617   | 18.118 | ng/u1  | 93       |
| 27) Bis(2-Chloroethoxy)met... | 9.980  | 93   | 223943   | 16.793 | ng/u1  | 98       |
| 29) 2,4-Dichlorophenol        | 10.222 | 162  | 162331   | 19.139 | ng/u1  | 97       |
| 30) Naphthalene               | 10.622 | 128  | 580108   | 18.715 | ng/u1  | 98       |
| 32) 4-Chloroaniline           | 10.733 | 127  | 215204   | 17.211 | ng/u1  | 99       |
| 33) Hexachlorobutadiene       | 10.910 | 225  | 107914   | 19.257 | ng/u1  | 98       |
| 34) Caprolactam               | 11.504 | 113  | 48056m   | 17.716 | ng/u1  |          |
| 35) 4-Chloro-3-methylphenol   | 11.857 | 107  | 159386   | 18.154 | ng/u1  | 97       |
| 36) 2-Methylnaphthalene       | 12.233 | 142  | 359591   | 18.258 | ng/u1  | 98       |

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| 37) 1-Methylnaphthalene       | 12.457 | 142  | 378579   | 18.893 | ng/ul  | 98       |
| 39) 1,2,4,5-Tetrachloroben... | 12.604 | 216  | 192746   | 18.729 | ng/ul  | 97       |
| 40) Hexachlorocyclopentadiene | 12.586 | 237  | 107943   | 17.342 | ng/ul  | 98       |
| 41) 2,4,6-Trichlorophenol     | 12.845 | 196  | 119904   | 20.137 | ng/ul  | 97       |
| 42) 2,4,5-Trichlorophenol     | 12.921 | 196  | 129155   | 19.836 | ng/ul  | 98       |
| 43) 1,1'-Biphenyl             | 13.251 | 154  | 464037   | 18.333 | ng/ul  | 98       |
| 44) 2-Chloronaphthalene       | 13.292 | 162  | 373043   | 19.056 | ng/ul  | 96       |
| 45) 2-Nitroaniline            | 13.492 | 65   | 98808    | 15.900 | ng/ul# | 84       |
| 47) Dimethylphthalate         | 13.874 | 163  | 440055   | 18.958 | ng/ul  | 99       |
| 48) 2,6-Dinitrotoluene        | 13.992 | 165  | 80032    | 19.632 | ng/ul  | 88       |
| 50) Acenaphthylene            | 14.139 | 152  | 607627   | 19.826 | ng/ul  | 99       |
| 51) 3-Nitroaniline            | 14.321 | 138  | 85186    | 17.266 | ng/ul  | 87       |
| 52) Acenaphthene              | 14.480 | 153  | 399048   | 18.420 | ng/ul  | 97       |
| 53) 2,4-Dinitrophenol         | 14.527 | 184  | 40472    | 16.067 | ng/ul# | 85       |
| 55) 4-Nitrophenol             | 14.633 | 109  | 60330    | 15.746 | ng/ul  | 92       |
| 56) Dibenzofuran              | 14.815 | 168  | 549066   | 18.828 | ng/ul  | 96       |
| 57) 2,4-Dinitrotoluene        | 14.780 | 165  | 119064   | 19.446 | ng/ul# | 81       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.039 | 232  | 108360   | 21.113 | ng/ul# | 94       |
| 59) Diethylphthalate          | 15.233 | 149  | 419353   | 18.056 | ng/ul  | 99       |
| 61) Fluorene                  | 15.462 | 166  | 450423   | 18.513 | ng/ul  | 99       |
| 62) 4-Chlorophenyl-phenyle... | 15.457 | 204  | 214123   | 18.625 | ng/ul  | 96       |
| 63) 4-Nitroaniline            | 15.480 | 138  | 83394    | 17.404 | ng/ul  | 95       |
| 66) 4,6-Dinitro-2-methylph... | 15.539 | 198  | 74703    | 18.155 | ng/ul  | 91       |
| 67) N-Nitrosodiphenylamine    | 15.668 | 169  | 358124   | 18.111 | ng/ul  | 98       |
| 68) 4-Bromophenyl-phenylether | 16.351 | 248  | 124807   | 19.081 | ng/ul  | 95       |
| 69) Hexachlorobenzene         | 16.462 | 284  | 150066   | 19.715 | ng/ul  | 96       |
| 70) Atrazine                  | 16.615 | 200  | 103882   | 15.782 | ng/ul  | 98       |
| 71) Pentachlorophenol         | 16.809 | 266  | 89984    | 18.591 | ng/ul  | 99       |
| 72) Phenanthrene              | 17.198 | 178  | 702583   | 18.880 | ng/ul  | 100      |
| 74) Anthracene                | 17.286 | 178  | 706297   | 18.609 | ng/ul  | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 13.216 | 216  | 190859   | 18.166 | ng/uL  | 98       |
| 76) Pentachlorobenzene        | 14.739 | 250  | 183937   | 17.936 | ng/uL  | 97       |
| 77) Carbazole                 | 17.556 | 167  | 646228   | 18.784 | ng/ul  | 98       |
| 78) Di-n-butylphthalate       | 18.121 | 149  | 695778   | 18.166 | ng/ul  | 98       |
| 80) Fluoranthene              | 19.209 | 202  | 807531   | 18.005 | ng/ul  | 98       |
| 82) Pyrene                    | 19.568 | 202  | 881908   | 17.667 | ng/ul  | 97       |
| 83) Butylbenzylphthalate      | 20.462 | 149  | 318544   | 18.050 | ng/ul  | 92       |
| 84) 3,3'-Dichlorobenzidine    | 21.286 | 252  | 268595   | 18.945 | ng/ul  | 99       |
| 85) Benzo(a)anthracene        | 21.362 | 228  | 905171   | 19.267 | ng/ul  | 99       |
| 86) Bis(2-ethylhexyl)phtha... | 21.280 | 149  | 431388   | 16.281 | ng/ul  | 98       |
| 87) Chrysene                  | 21.421 | 228  | 864848   | 18.883 | ng/ul  | 99       |
| 89) Di-n-octyl phthalate      | 22.409 | 149  | 752166   | 14.631 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 23.421 | 252  | 937457   | 18.860 | ng/ul  | 99       |
| 91) Benzo(k)fluoranthene      | 23.480 | 252  | 942553   | 18.545 | ng/ul  | 99       |
| 93) Benzo(a)pyrene            | 24.221 | 252  | 908039   | 19.236 | ng/ul  | 98       |
| 94) Indeno(1,2,3-cd)pyrene    | 27.726 | 276  | 1135012  | 18.762 | ng/ul  | 99       |
| 95) Dibenzo(a,h)anthracene    | 27.779 | 278  | 944856   | 19.059 | ng/ul  | 98       |
| 96) Benzo(g,h,i)perylene      | 28.779 | 276  | 942496   | 19.885 | ng/ul  | 98       |

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

