

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM111323\  
 Data File : BM042714.D  
 Acq On : 13 Nov 2023 21:23  
 Operator : MA/JU  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTD020138

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 11/15/2023  
 Supervised By :mohammad ahmed 11/19/2023

Quant Time: Nov 14 01:00:12 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM111323.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Nov 14 00:02:28 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.840  | 152  | 24439    | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.651 | 136  | 101632   | 20.000 | ng/u1  | # 0.00   |
| 38) Acenaphthene-d10          | 14.492 | 164  | 73537    | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.245 | 188  | 159661   | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.433 | 240  | 162360   | 20.000 | ng/u1  | # 0.00   |
| 88) Perylene-d12              | 23.797 | 264  | 184522   | 20.000 | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.181  | 96   | 6323     | 8.118  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.622  | 84   | 39877    | 20.583 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 7.004  | 99   | 43489    | 18.284 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.181  | 67   | 32795    | 19.622 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.357  | 132  | 35858    | 19.538 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.557  | 113  | 35855    | 19.145 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 9.039  | 128  | 16680    | 18.719 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.751  | 143  | 19034    | 18.260 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.275 | 165  | 37170    | 19.178 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.828 | 131  | 42469    | 17.258 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.916 | 166  | 132564   | 19.047 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.192 | 160  | 143247   | 19.236 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.739 | 143  | 10169    | 12.932 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.486 | 176  | 108812   | 18.880 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.633 | 200  | 19765    | 16.343 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.345 | 188  | 168295   | 18.808 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.639 | 212  | 209418   | 19.697 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.644 | 264  | 217558   | 19.711 | ng/u1  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.222  | 88   | 6822     | 8.225  | ng/uL  | 94       |
| 5) Pyridine                   | 3.646  | 79   | 42370    | 20.112 | ng/u1  | 98       |
| 6) Benzaldehyde               | 7.004  | 77   | 26776    | 19.621 | ng/u1  | 97       |
| 8) Phenol                     | 7.028  | 94   | 42580    | 17.997 | ng/u1  | 95       |
| 10) Bis(2-Chloroethyl)ether   | 7.281  | 93   | 40167    | 20.553 | ng/u1  | 98       |
| 12) 2-Chlorophenol            | 7.392  | 128  | 35822    | 19.613 | ng/u1# | 88       |
| 13) 2-Methylphenol            | 8.292  | 108  | 34034    | 19.291 | ng/u1  | 96       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.351  | 45   | 79197m   | 22.261 | ng/u1  |          |
| 16) Acetophenone              | 8.692  | 105  | 58192    | 18.479 | ng/u1  | 96       |
| 17) N-Nitroso-di-n-propyla... | 8.657  | 70   | 39314    | 20.508 | ng/u1  | 98       |
| 18) 4-Methylphenol            | 8.622  | 108  | 34999    | 18.246 | ng/u1  | 96       |
| 19) Hexachloroethane          | 8.892  | 117  | 19852    | 19.501 | ng/u1  | 93       |
| 22) Nitrobenzene              | 9.081  | 77   | 48561    | 18.031 | ng/u1  | 98       |
| 23) Isophorone                | 9.586  | 82   | 102037   | 19.023 | ng/u1  | 99       |
| 25) 2-Nitrophenol             | 9.781  | 139  | 19347    | 18.268 | ng/u1  | 98       |
| 26) 2,4-Dimethylphenol        | 9.822  | 107  | 42288    | 18.663 | ng/u1  | 98       |
| 27) Bis(2-Chloroethoxy)met... | 10.081 | 93   | 50719    | 18.712 | ng/u1  | 98       |
| 29) 2,4-Dichlorophenol        | 10.304 | 162  | 33702    | 18.366 | ng/u1  | 95       |
| 30) Naphthalene               | 10.704 | 128  | 123442   | 19.387 | ng/u1  | 99       |
| 32) 4-Chloroaniline           | 10.851 | 127  | 42608    | 18.047 | ng/u1  | 95       |
| 33) Hexachlorobutadiene       | 10.928 | 225  | 30981    | 19.113 | ng/u1  | 97       |
| 34) Caprolactam               | 11.669 | 113  | 11566m   | 21.257 | ng/u1  |          |
| 35) 4-Chloro-3-methylphenol   | 11.957 | 107  | 41819    | 21.268 | ng/u1  | 92       |
| 36) 2-Methylnaphthalene       | 12.316 | 142  | 88816    | 20.813 | ng/u1  | 95       |

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| 37) 1-Methylnaphthalene       | 12.533 | 142  | 91764    | 20.453 | ng/ul  | 98       |
| 39) 1,2,4,5-Tetrachloroben... | 12.669 | 216  | 54535    | 18.909 | ng/ul  | 98       |
| 40) Hexachlorocyclopentadiene | 12.610 | 237  | 20786    | 15.224 | ng/ul  | 93       |
| 41) 2,4,6-Trichlorophenol     | 12.927 | 196  | 33522    | 19.029 | ng/ul  | 97       |
| 42) 2,4,5-Trichlorophenol     | 13.004 | 196  | 31395    | 18.457 | ng/ul  | 98       |
| 43) 1,1'-Biphenyl             | 13.327 | 154  | 124005   | 20.220 | ng/ul  | 98       |
| 44) 2-Chloronaphthalene       | 13.374 | 162  | 95069    | 19.270 | ng/ul  | 98       |
| 45) 2-Nitroaniline            | 13.621 | 65   | 31142    | 19.355 | ng/ul  | 89       |
| 47) Dimethylphthalate         | 13.963 | 163  | 131407   | 19.385 | ng/ul  | 99       |
| 48) 2,6-Dinitrotoluene        | 14.116 | 165  | 23716    | 18.622 | ng/ul  | 97       |
| 50) Acenaphthylene            | 14.221 | 152  | 165514   | 19.836 | ng/ul  | 99       |
| 51) 3-Nitroaniline            | 14.457 | 138  | 17947    | 17.234 | ng/ul  | 90       |
| 52) Acenaphthene              | 14.557 | 153  | 110653   | 19.608 | ng/ul  | 98       |
| 53) 2,4-Dinitrophenol         | 14.668 | 184  | 16509    | 26.071 | ng/ul  | 87       |
| 55) 4-Nitrophenol             | 14.757 | 109  | 18675m   | 15.093 | ng/ul  |          |
| 56) Dibenzofuran              | 14.898 | 168  | 148854   | 19.005 | ng/ul  | 100      |
| 57) 2,4-Dinitrotoluene        | 14.898 | 165  | 35434    | 18.952 | ng/ul# | 97       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.116 | 232  | 33203    | 18.804 | ng/ul  | 96       |
| 59) Diethylphthalate          | 15.310 | 149  | 135519   | 19.065 | ng/ul  | 98       |
| 61) Fluorene                  | 15.545 | 166  | 127040   | 19.104 | ng/ul  | 99       |
| 62) 4-Chlorophenyl-phenyle... | 15.533 | 204  | 67930    | 18.955 | ng/ul  | 98       |
| 63) 4-Nitroaniline            | 15.633 | 138  | 17190    | 18.106 | ng/ul  | 95       |
| 66) 4,6-Dinitro-2-methylph... | 15.651 | 198  | 20853    | 16.936 | ng/ul# | 89       |
| 67) N-Nitrosodiphenylamine    | 15.763 | 169  | 99220    | 19.814 | ng/ul  | 98       |
| 68) 4-Bromophenyl-phenylether | 16.433 | 248  | 40079    | 18.859 | ng/ul  | 93       |
| 69) Hexachlorobenzene         | 16.515 | 284  | 50157    | 19.306 | ng/ul  | 95       |
| 70) Atrazine                  | 16.710 | 200  | 37097    | 19.233 | ng/ul  | 98       |
| 71) Pentachlorophenol         | 16.886 | 266  | 25875    | 17.295 | ng/ul  | 98       |
| 72) Phenanthrene              | 17.286 | 178  | 193807   | 19.430 | ng/ul  | 100      |
| 74) Anthracene                | 17.380 | 178  | 194769   | 19.413 | ng/ul  | 98       |
| 75) 1,2,3,4-Tetrachloroben... | 13.280 | 216  | 57224    | 20.269 | ng/uL  | 97       |
| 76) Pentachlorobenzene        | 14.786 | 250  | 58889    | 19.880 | ng/uL  | 99       |
| 77) Carbazole                 | 17.674 | 167  | 157129   | 18.967 | ng/ul  | 98       |
| 78) Di-n-butylphthalate       | 18.192 | 149  | 229841   | 18.973 | ng/ul  | 99       |
| 80) Fluoranthene              | 19.303 | 202  | 233899   | 19.294 | ng/ul  | 97       |
| 82) Pyrene                    | 19.668 | 202  | 249956   | 19.446 | ng/ul  | 97       |
| 83) Butylbenzylphthalate      | 20.556 | 149  | 102840   | 18.732 | ng/ul  | 97       |
| 84) 3,3'-Dichlorobenzidine    | 21.362 | 252  | 73151    | 17.604 | ng/ul  | 100      |
| 85) Benzo(a)anthracene        | 21.415 | 228  | 244368   | 19.173 | ng/ul  | 100      |
| 86) Bis(2-ethylhexyl)phtha... | 21.297 | 149  | 154050   | 18.494 | ng/ul  | 98       |
| 87) Chrysene                  | 21.468 | 228  | 246076   | 19.908 | ng/ul  | 99       |
| 89) Di-n-octyl phthalate      | 22.209 | 149  | 270918   | 18.176 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 23.068 | 252  | 240231   | 19.077 | ng/ul  | 98       |
| 91) Benzo(k)fluoranthene      | 23.115 | 252  | 265363m  | 19.796 | ng/ul  |          |
| 93) Benzo(a)pyrene            | 23.697 | 252  | 236724   | 19.292 | ng/ul  | 99       |
| 94) Indeno(1,2,3-cd)pyrene    | 26.274 | 276  | 283891   | 18.616 | ng/ul  | 97       |
| 95) Dibenzo(a,h)anthracene    | 26.285 | 278  | 237788   | 18.808 | ng/ul  | 99       |
| 96) Benzo(g,h,i)perylene      | 27.044 | 276  | 233434   | 19.277 | ng/ul  | 99       |

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

