

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM120822\  
 Data File : BM037906.D  
 Acq On : 09 Dec 2022 03:35  
 Operator : CG/JU  
 Sample : SSTDCCC020EC  
 Misc :  
 ALS Vial : 32 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTD020068

Quant Time: Dec 09 06:39:24 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM120722.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Dec 08 01:49:06 2022  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 12/09/2022  
 Supervised By :mohammad ahmed 12/10/2022

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.081  | 152  | 274677   | 20.000 | ng/u1  | -0.01    |
| 20) Naphthalene-d8            | 10.904 | 136  | 1154166  | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.716 | 164  | 667656   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.451 | 188  | 1231461  | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.621 | 240  | 875046   | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 24.103 | 264  | 949425   | 20.000 | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.422  | 96   | 40874m   | 6.757  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.858  | 84   | 328863   | 18.325 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 7.240  | 99   | 430482   | 19.286 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.404  | 67   | 259274   | 19.076 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.610  | 132  | 365494   | 19.961 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.798  | 113  | 341748   | 19.615 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 9.257  | 128  | 186242   | 20.381 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.981  | 143  | 201476   | 21.039 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.522 | 165  | 367214   | 20.188 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 11.039 | 131  | 482808   | 19.229 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 14.122 | 166  | 956631   | 20.098 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.410 | 160  | 1163362  | 19.998 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.904 | 143  | 140274   | 17.292 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.698 | 176  | 829373   | 19.557 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.816 | 200  | 115101   | 17.482 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.551 | 188  | 1137085  | 19.784 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.833 | 212  | 1094029  | 20.813 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.939 | 264  | 956783   | 20.176 | ng/u1  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.458  | 88   | 43669    | 6.881  | ng/uL  | 92       |
| 5) Pyridine                   | 3.881  | 79   | 323556   | 17.941 | ng/u1  | 97       |
| 6) Benzaldehyde               | 7.216  | 77   | 163789   | 19.619 | ng/u1  | 95       |
| 8) Phenol                     | 7.263  | 94   | 429431   | 19.183 | ng/u1  | 97       |
| 10) Bis(2-Chloroethyl)ether   | 7.498  | 93   | 350655   | 19.076 | ng/u1  | 98       |
| 12) 2-Chlorophenol            | 7.646  | 128  | 373310   | 19.935 | ng/u1  | 98       |
| 13) 2-Methylphenol            | 8.528  | 108  | 338518   | 19.760 | ng/u1  | 98       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.616  | 45   | 609620   | 18.366 | ng/u1  | 98       |
| 16) Acetophenone              | 8.916  | 105  | 542651   | 19.803 | ng/u1  | 97       |
| 17) N-Nitroso-di-n-propyla... | 8.898  | 70   | 261071   | 20.225 | ng/u1  | 96       |
| 18) 4-Methylphenol            | 8.857  | 108  | 365091   | 19.701 | ng/u1  | 98       |
| 19) Hexachloroethane          | 9.169  | 117  | 139759   | 18.669 | ng/u1  | 95       |
| 22) Nitrobenzene              | 9.298  | 77   | 390626   | 19.867 | ng/u1  | 96       |
| 23) Isophorone                | 9.828  | 82   | 711917   | 19.759 | ng/u1  | 99       |
| 25) 2-Nitrophenol             | 10.016 | 139  | 206944   | 20.612 | ng/u1  | 99       |
| 26) 2,4-Dimethylphenol        | 10.069 | 107  | 395843   | 20.388 | ng/u1  | 99       |
| 27) Bis(2-Chloroethoxy)met... | 10.304 | 93   | 466242   | 19.466 | ng/u1  | 99       |
| 29) 2,4-Dichlorophenol        | 10.545 | 162  | 358734   | 20.101 | ng/u1  | 99       |
| 30) Naphthalene               | 10.957 | 128  | 1232628  | 19.790 | ng/u1  | 99       |
| 32) 4-Chloroaniline           | 11.069 | 127  | 472192   | 18.859 | ng/u1  | 98       |
| 33) Hexachlorobutadiene       | 11.234 | 225  | 231522   | 19.721 | ng/u1  | 99       |
| 34) Caprolactam               | 11.851 | 113  | 91880    | 20.071 | ng/u1  | 91       |
| 35) 4-Chloro-3-methylphenol   | 12.181 | 107  | 333430   | 20.526 | ng/u1  | 97       |
| 36) 2-Methylnaphthalene       | 12.551 | 142  | 794549   | 19.668 | ng/u1  | 98       |

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|-------------------------------|--------|------|----------|--------|-------|----------|
| 37) 1-Methylnaphthalene       | 12.769 | 142  | 819166   | 19.831 | ng/u1 | 99       |
| 39) 1,2,4,5-Tetrachloroben... | 12.916 | 216  | 433285   | 19.862 | ng/u1 | 96       |
| 40) Hexachlorocyclopentadiene | 12.892 | 237  | 130539   | 10.460 | ng/u1 | 99       |
| 41) 2,4,6-Trichlorophenol     | 13.157 | 196  | 273560   | 20.587 | ng/u1 | 98       |
| 42) 2,4,5-Trichlorophenol     | 13.227 | 196  | 288360   | 20.808 | ng/u1 | 99       |
| 43) 1,1'-Biphenyl             | 13.551 | 154  | 1063672  | 19.820 | ng/u1 | 100      |
| 44) 2-Chloronaphthalene       | 13.598 | 162  | 828780   | 20.019 | ng/u1 | 98       |
| 45) 2-Nitroaniline            | 13.798 | 65   | 204743   | 20.525 | ng/u1 | 97       |
| 47) Dimethylphthalate         | 14.169 | 163  | 948459   | 20.196 | ng/u1 | 99       |
| 48) 2,6-Dinitrotoluene        | 14.292 | 165  | 191873   | 21.034 | ng/u1 | 96       |
| 50) Acenaphthylene            | 14.439 | 152  | 1282146  | 20.043 | ng/u1 | 99       |
| 51) 3-Nitroaniline            | 14.622 | 138  | 173534   | 19.067 | ng/u1 | 100      |
| 52) Acenaphthene              | 14.774 | 153  | 868391   | 19.627 | ng/u1 | 98       |
| 53) 2,4-Dinitrophenol         | 14.822 | 184  | 69389    | 15.502 | ng/u1 | 93       |
| 55) 4-Nitrophenol             | 14.922 | 109  | 97355    | 18.198 | ng/u1 | 99       |
| 56) Dibenzofuran              | 15.110 | 168  | 1189248  | 19.687 | ng/u1 | 99       |
| 57) 2,4-Dinitrotoluene        | 15.074 | 165  | 254163   | 20.574 | ng/u1 | 94       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.333 | 232  | 234071   | 20.079 | ng/u1 | 99       |
| 59) Diethylphthalate          | 15.521 | 149  | 922683   | 19.722 | ng/u1 | 99       |
| 61) Fluorene                  | 15.757 | 166  | 962572   | 19.539 | ng/u1 | 99       |
| 62) 4-Chlorophenyl-phenyle... | 15.745 | 204  | 479779   | 19.928 | ng/u1 | 98       |
| 63) 4-Nitroaniline            | 15.774 | 138  | 150399   | 18.225 | ng/u1 | 96       |
| 66) 4,6-Dinitro-2-methylph... | 15.833 | 198  | 112149   | 17.595 | ng/u1 | 96       |
| 67) N-Nitrosodiphenylamine    | 15.957 | 169  | 769786   | 20.723 | ng/u1 | 99       |
| 68) 4-Bromophenyl-phenylether | 16.639 | 248  | 285836   | 21.174 | ng/u1 | 100      |
| 69) Hexachlorobenzene         | 16.757 | 284  | 327631   | 20.332 | ng/u1 | 98       |
| 70) Atrazine                  | 16.904 | 200  | 243036   | 19.145 | ng/u1 | 99       |
| 71) Pentachlorophenol         | 17.098 | 266  | 164061   | 18.313 | ng/u1 | 96       |
| 72) Phenanthrene              | 17.498 | 178  | 1311468  | 19.501 | ng/u1 | 100      |
| 74) Anthracene                | 17.586 | 178  | 1346170  | 19.697 | ng/u1 | 100      |
| 75) 1,2,3,4-Tetrachloroben... | 13.522 | 216  | 416192   | 20.905 | ng/uL | 98       |
| 76) Pentachlorobenzene        | 15.027 | 250  | 415248   | 21.056 | ng/uL | 99       |
| 77) Carbazole                 | 17.857 | 167  | 1103144  | 18.631 | ng/u1 | 99       |
| 78) Di-n-butylphthalate       | 18.404 | 149  | 1398162  | 19.866 | ng/u1 | 100      |
| 80) Fluoranthene              | 19.498 | 202  | 1295171  | 20.878 | ng/u1 | 99       |
| 82) Pyrene                    | 19.862 | 202  | 1344271  | 20.821 | ng/u1 | 99       |
| 83) Butylbenzylphthalate      | 20.739 | 149  | 494284   | 20.589 | ng/u1 | 99       |
| 84) 3,3'-Dichlorobenzidine    | 21.533 | 252  | 318797   | 18.411 | ng/u1 | 96       |
| 85) Benzo(a)anthracene        | 21.603 | 228  | 1185317  | 20.120 | ng/u1 | 100      |
| 86) Bis(2-ethylhexyl)phtha... | 21.509 | 149  | 709614   | 20.318 | ng/u1 | 99       |
| 87) Chrysene                  | 21.656 | 228  | 1118389  | 20.234 | ng/u1 | 99       |
| 89) Di-n-octyl phthalate      | 22.462 | 149  | 1149288  | 18.892 | ng/u1 | 100      |
| 90) Benzo(b)fluoranthene      | 23.345 | 252  | 1194323  | 20.291 | ng/u1 | 99       |
| 91) Benzo(k)fluoranthene      | 23.392 | 252  | 1138256  | 19.954 | ng/u1 | 99       |
| 93) Benzo(a)pyrene            | 23.992 | 252  | 1038382  | 20.061 | ng/u1 | 99       |
| 94) Indeno(1,2,3-cd)pyrene    | 26.703 | 276  | 1341727  | 20.127 | ng/u1 | 99       |
| 95) Dibenzo(a,h)anthracene    | 26.715 | 278  | 1140149  | 20.288 | ng/u1 | 98       |
| 96) Benzo(g,h,i)perylene      | 27.509 | 276  | 1047669  | 19.684 | ng/u1 | 97       |

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

