

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM031122\  
 Data File : BM034213.D  
 Acq On : 11 Mar 2022 09:33  
 Operator : CG/JU  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTD020103

Quant Time: Mar 11 23:38:34 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM031022.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Mar 11 02:00:05 2022  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 03/14/2022  
 Supervised By :mohammad ahmed 03/14/2022

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.948  | 152  | 135811   | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.766 | 136  | 506011   | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.589 | 164  | 342158   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.330 | 188  | 706299   | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.501 | 240  | 760726   | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 23.924 | 264  | 811806   | 20.000 | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.319  | 96   | 25117    | 8.073  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.743  | 84   | 146725   | 19.808 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 7.101  | 99   | 161315   | 17.749 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.272  | 67   | 97183    | 18.227 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.478  | 132  | 153917   | 19.596 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.654  | 113  | 141272   | 18.175 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 9.107  | 128  | 72128    | 19.872 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.837  | 143  | 78768    | 19.571 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.378 | 165  | 166665   | 20.656 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.889 | 131  | 192125   | 19.147 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.995 | 166  | 496205   | 19.931 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.283 | 160  | 625230   | 19.773 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.766 | 143  | 71592    | 18.462 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.577 | 176  | 435352   | 19.976 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.689 | 200  | 81079    | 18.144 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.430 | 188  | 670520   | 20.100 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.712 | 212  | 783898   | 18.928 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.765 | 264  | 823590   | 20.564 | ng/u1  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.361  | 88   | 25421    | 8.246  | ng/uL  | 94       |
| 5) Pyridine                   | 3.761  | 79   | 156033m  | 20.326 | ng/u1  |          |
| 6) Benzaldehyde               | 7.078  | 77   | 109342m  | 23.116 | ng/u1  |          |
| 8) Phenol                     | 7.125  | 94   | 161214   | 17.977 | ng/u1  | 98       |
| 10) Bis(2-Chloroethyl)ether   | 7.366  | 93   | 134974   | 18.054 | ng/u1  | 99       |
| 12) 2-Chlorophenol            | 7.507  | 128  | 155257   | 19.592 | ng/u1  | 99       |
| 13) 2-Methylphenol            | 8.390  | 108  | 127127   | 17.715 | ng/u1  | 100      |
| 14) 2,2'-oxybis(1-Chloropr... | 8.484  | 45   | 126750   | 18.386 | ng/u1  | 97       |
| 16) Acetophenone              | 8.772  | 105  | 224486   | 18.393 | ng/u1  | 98       |
| 17) N-Nitroso-di-n-propyla... | 8.760  | 70   | 110351   | 19.215 | ng/u1  | 98       |
| 18) 4-Methylphenol            | 8.719  | 108  | 144798   | 18.716 | ng/u1  | 97       |
| 19) Hexachloroethane          | 9.043  | 117  | 71081    | 19.888 | ng/u1  | 93       |
| 22) Nitrobenzene              | 9.154  | 77   | 159702   | 20.272 | ng/u1  | 97       |
| 23) Isophorone                | 9.684  | 82   | 299558   | 20.119 | ng/u1  | 99       |
| 25) 2-Nitrophenol             | 9.872  | 139  | 84047    | 20.393 | ng/u1  | 97       |
| 26) 2,4-Dimethylphenol        | 9.931  | 107  | 174194   | 20.456 | ng/u1  | 99       |
| 27) Bis(2-Chloroethoxy)met... | 10.166 | 93   | 182727   | 19.950 | ng/u1  | 98       |
| 29) 2,4-Dichlorophenol        | 10.407 | 162  | 158176   | 20.314 | ng/u1  | 99       |
| 30) Naphthalene               | 10.813 | 128  | 500698   | 19.813 | ng/u1  | 100      |
| 32) 4-Chloroaniline           | 10.919 | 127  | 191596   | 19.198 | ng/u1  | 99       |
| 33) Hexachlorobutadiene       | 11.107 | 225  | 127594   | 19.832 | ng/u1  | 98       |
| 34) Caprolactam               | 11.672 | 113  | 42660m   | 19.583 | ng/u1  |          |
| 35) 4-Chloro-3-methylphenol   | 12.036 | 107  | 149627   | 20.715 | ng/u1  | 97       |
| 36) 2-Methylnaphthalene       | 12.425 | 142  | 354005   | 20.398 | ng/u1  | 98       |

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|-------------------------------|--------|------|----------|--------|-------|----------|
| 37) 1-Methylnaphthalene       | 12.642 | 142  | 357643   | 20.176 | ng/ul | 100      |
| 39) 1,2,4,5-Tetrachloroben... | 12.789 | 216  | 228294   | 19.339 | ng/ul | 99       |
| 40) Hexachlorocyclopentadiene | 12.778 | 237  | 150730   | 17.897 | ng/ul | 97       |
| 41) 2,4,6-Trichlorophenol     | 13.025 | 196  | 135633   | 19.608 | ng/ul | 96       |
| 42) 2,4,5-Trichlorophenol     | 13.095 | 196  | 148379   | 19.793 | ng/ul | 98       |
| 43) 1,1'-Biphenyl             | 13.430 | 154  | 490084   | 19.282 | ng/ul | 99       |
| 44) 2-Chloronaphthalene       | 13.472 | 162  | 386996   | 19.264 | ng/ul | 99       |
| 45) 2-Nitroaniline            | 13.666 | 65   | 80771    | 20.271 | ng/ul | 97       |
| 47) Dimethylphthalate         | 14.042 | 163  | 483853   | 19.907 | ng/ul | 99       |
| 48) 2,6-Dinitrotoluene        | 14.160 | 165  | 95017    | 20.050 | ng/ul | 99       |
| 50) Acenaphthylene            | 14.313 | 152  | 607740   | 19.619 | ng/ul | 99       |
| 51) 3-Nitroaniline            | 14.483 | 138  | 79087    | 19.166 | ng/ul | 99       |
| 52) Acenaphthene              | 14.654 | 153  | 397611   | 19.570 | ng/ul | 100      |
| 53) 2,4-Dinitrophenol         | 14.689 | 184  | 75291    | 24.435 | ng/ul | 98       |
| 55) 4-Nitrophenol             | 14.783 | 109  | 64004    | 19.832 | ng/ul | 95       |
| 56) Dibenzofuran              | 14.989 | 168  | 586130   | 19.919 | ng/ul | 100      |
| 57) 2,4-Dinitrotoluene        | 14.942 | 165  | 134861   | 20.681 | ng/ul | 99       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.213 | 232  | 130657   | 20.385 | ng/ul | 97       |
| 59) Diethylphthalate          | 15.407 | 149  | 470188   | 20.247 | ng/ul | 100      |
| 61) Fluorene                  | 15.636 | 166  | 476525   | 19.913 | ng/ul | 100      |
| 62) 4-Chlorophenyl-phenyle... | 15.630 | 204  | 257584   | 19.854 | ng/ul | 98       |
| 63) 4-Nitroaniline            | 15.642 | 138  | 73318m   | 20.989 | ng/ul |          |
| 66) 4,6-Dinitro-2-methylph... | 15.701 | 198  | 82942    | 18.989 | ng/ul | 99       |
| 67) N-Nitrosodiphenylamine    | 15.836 | 169  | 410016   | 20.072 | ng/ul | 100      |
| 68) 4-Bromophenyl-phenylether | 16.519 | 248  | 160713   | 20.196 | ng/ul | 99       |
| 69) Hexachlorobenzene         | 16.642 | 284  | 198780   | 20.026 | ng/ul | 98       |
| 70) Atrazine                  | 16.783 | 200  | 156652   | 19.463 | ng/ul | 99       |
| 71) Pentachlorophenol         | 16.977 | 266  | 113316   | 18.979 | ng/ul | 100      |
| 72) Phenanthrene              | 17.371 | 178  | 750867   | 19.967 | ng/ul | 99       |
| 74) Anthracene                | 17.460 | 178  | 753715   | 20.195 | ng/ul | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 13.395 | 216  | 237428   | 19.012 | ng/uL | 99       |
| 76) Pentachlorobenzene        | 14.913 | 250  | 225810   | 19.221 | ng/uL | 98       |
| 77) Carbazole                 | 17.730 | 167  | 570891   | 18.823 | ng/ul | 98       |
| 78) Di-n-butylphthalate       | 18.301 | 149  | 751537   | 20.724 | ng/ul | 99       |
| 80) Fluoranthene              | 19.383 | 202  | 894271   | 18.978 | ng/ul | 99       |
| 82) Pyrene                    | 19.742 | 202  | 940884   | 19.241 | ng/ul | 99       |
| 83) Butylbenzylphthalate      | 20.636 | 149  | 325424   | 19.880 | ng/ul | 98       |
| 84) 3,3'-Dichlorobenzidine    | 21.418 | 252  | 275122   | 18.243 | ng/ul | 97       |
| 85) Benzo(a)anthracene        | 21.483 | 228  | 888538   | 19.986 | ng/ul | 99       |
| 86) Bis(2-ethylhexyl)phtha... | 21.418 | 149  | 482709   | 19.827 | ng/ul | 98       |
| 87) Chrysene                  | 21.542 | 228  | 902877   | 18.863 | ng/ul | 99       |
| 89) Di-n-octyl phthalate      | 22.348 | 149  | 826207   | 18.993 | ng/ul | 100      |
| 90) Benzo(b)fluoranthene      | 23.183 | 252  | 968622   | 20.352 | ng/ul | 99       |
| 91) Benzo(k)fluoranthene      | 23.230 | 252  | 982440   | 20.252 | ng/ul | 99       |
| 93) Benzo(a)pyrene            | 23.812 | 252  | 974357   | 20.526 | ng/ul | 98       |
| 94) Indeno(1,2,3-cd)pyrene    | 26.441 | 276  | 1080107  | 20.810 | ng/ul | 99       |
| 95) Dibenzo(a,h)anthracene    | 26.459 | 278  | 933415   | 21.465 | ng/ul | 99       |
| 96) Benzo(g,h,i)perylene      | 27.212 | 276  | 1028971  | 21.318 | ng/ul | 99       |

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

