

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM041122\  
 Data File : BM034615.D  
 Acq On : 11 Apr 2022 18:53  
 Operator : CG/JU  
 Sample : SSTDCCC020EC  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTD020110

Quant Time: Apr 12 04:24:46 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM040922.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Apr 08 14:30:08 2022  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 04/13/2022  
 Supervised By :Yogesh Patel 04/14/2022

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.878  | 152  | 104090   | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.689 | 136  | 432563   | 20.000 | ng/u1  | # 0.00   |
| 38) Acenaphthene-d10          | 14.524 | 164  | 256677   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.265 | 188  | 511197   | 20.000 | ng/u1  | # 0.00   |
| 79) Chrysene-d12              | 21.442 | 240  | 520938   | 20.000 | ng/u1  | # 0.00   |
| 88) Perylene-d12              | 23.824 | 264  | 541544   | 20.000 | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.255  | 96   | 23224    | 7.956  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.684  | 84   | 132332   | 18.785 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 7.037  | 99   | 166584   | 19.228 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.201  | 67   | 115908   | 20.077 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.407  | 132  | 135732   | 20.267 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.589  | 113  | 128688   | 19.016 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 9.042  | 128  | 64446m   | 20.272 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.766  | 143  | 64460    | 19.475 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.307 | 165  | 126185   | 20.247 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.825 | 131  | 153740   | 17.880 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.936 | 166  | 363901   | 19.621 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.219 | 160  | 472894   | 19.838 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.724 | 143  | 46642    | 16.493 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.513 | 176  | 315951   | 19.713 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.636 | 200  | 53217    | 17.053 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.365 | 188  | 481541   | 19.758 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.653 | 212  | 566158   | 19.912 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.671 | 264  | 546013   | 20.044 | ng/u1  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.290  | 88   | 23774    | 8.089  | ng/uL  | 89       |
| 5) Pyridine                   | 3.702  | 79   | 153062   | 19.885 | ng/u1# | 76       |
| 6) Benzaldehyde               | 7.013  | 77   | 115564   | 21.758 | ng/u1  | 92       |
| 8) Phenol                     | 7.066  | 94   | 167515   | 19.140 | ng/u1  | 97       |
| 10) Bis(2-Chloroethyl)ether   | 7.295  | 93   | 139180   | 19.705 | ng/u1# | 85       |
| 12) 2-Chlorophenol            | 7.442  | 128  | 139937   | 20.498 | ng/u1# | 88       |
| 13) 2-Methylphenol            | 8.325  | 108  | 123349   | 19.065 | ng/u1  | 98       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.419  | 45   | 213625   | 20.228 | ng/u1# | 86       |
| 16) Acetophenone              | 8.707  | 105  | 206454   | 19.544 | ng/u1# | 88       |
| 17) N-Nitroso-di-n-propyla... | 8.689  | 70   | 113188   | 20.131 | ng/u1# | 85       |
| 18) 4-Methylphenol            | 8.654  | 108  | 133116   | 19.340 | ng/u1  | 98       |
| 19) Hexachloroethane          | 8.966  | 117  | 61510    | 20.032 | ng/u1  | 88       |
| 22) Nitrobenzene              | 9.084  | 77   | 165467   | 19.854 | ng/u1  | 91       |
| 23) Isophorone                | 9.613  | 82   | 295281   | 19.952 | ng/u1# | 92       |
| 25) 2-Nitrophenol             | 9.801  | 139  | 71343    | 20.124 | ng/u1# | 87       |
| 26) 2,4-Dimethylphenol        | 9.860  | 107  | 154936   | 19.690 | ng/u1  | 96       |
| 27) Bis(2-Chloroethoxy)met... | 10.101 | 93   | 178714   | 20.070 | ng/u1  | 99       |
| 29) 2,4-Dichlorophenol        | 10.336 | 162  | 119915   | 19.495 | ng/u1  | 93       |
| 30) Naphthalene               | 10.736 | 128  | 441435   | 19.603 | ng/u1  | 99       |
| 32) 4-Chloroaniline           | 10.848 | 127  | 157503   | 18.284 | ng/u1  | 99       |
| 33) Hexachlorobutadiene       | 11.031 | 225  | 84320    | 19.498 | ng/u1  | 99       |
| 34) Caprolactam               | 11.607 | 113  | 37451m   | 18.742 | ng/u1  |          |
| 35) 4-Chloro-3-methylphenol   | 11.977 | 107  | 128054   | 20.054 | ng/u1  | 91       |
| 36) 2-Methylnaphthalene       | 12.354 | 142  | 285580   | 19.787 | ng/u1  | 98       |

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| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 37) 1-Methylnaphthalene       | 12.572 | 142  | 293457   | 19.819 | ng/ul  | 99       |
| 39) 1,2,4,5-Tetrachloroben... | 12.725 | 216  | 149653   | 19.479 | ng/ul# | 97       |
| 40) Hexachlorocyclopentadiene | 12.707 | 237  | 89248    | 17.702 | ng/ul  | 95       |
| 41) 2,4,6-Trichlorophenol     | 12.960 | 196  | 90877    | 19.472 | ng/ul  | 96       |
| 42) 2,4,5-Trichlorophenol     | 13.036 | 196  | 98745    | 20.417 | ng/ul  | 98       |
| 43) 1,1'-Biphenyl             | 13.360 | 154  | 379189   | 19.502 | ng/ul# | 97       |
| 44) 2-Chloronaphthalene       | 13.401 | 162  | 294618   | 19.737 | ng/ul  | 96       |
| 45) 2-Nitroaniline            | 13.607 | 65   | 80671m   | 19.819 | ng/ul  |          |
| 47) Dimethylphthalate         | 13.983 | 163  | 362988   | 19.888 | ng/ul  | 100      |
| 48) 2,6-Dinitrotoluene        | 14.101 | 165  | 70349    | 20.063 | ng/ul# | 87       |
| 50) Acenaphthylene            | 14.248 | 152  | 479740   | 19.824 | ng/ul  | 99       |
| 51) 3-Nitroaniline            | 14.430 | 138  | 58692    | 19.145 | ng/ul  | 82       |
| 52) Acenaphthene              | 14.589 | 153  | 315615   | 19.589 | ng/ul  | 99       |
| 53) 2,4-Dinitrophenol         | 14.642 | 184  | 28179    | 14.260 | ng/ul# | 86       |
| 55) 4-Nitrophenol             | 14.736 | 109  | 40872    | 16.924 | ng/ul# | 81       |
| 56) Dibenzofuran              | 14.924 | 168  | 436956   | 19.954 | ng/ul  | 96       |
| 57) 2,4-Dinitrotoluene        | 14.889 | 165  | 97154    | 19.907 | ng/ul# | 77       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.148 | 232  | 86288    | 20.321 | ng/ul# | 89       |
| 59) Diethylphthalate          | 15.342 | 149  | 368461   | 19.875 | ng/ul  | 98       |
| 61) Fluorene                  | 15.571 | 166  | 359944   | 19.482 | ng/ul  | 99       |
| 62) 4-Chlorophenyl-phenyle... | 15.566 | 204  | 172514   | 19.344 | ng/ul  | 92       |
| 63) 4-Nitroaniline            | 15.589 | 138  | 54044m   | 20.021 | ng/ul  |          |
| 66) 4,6-Dinitro-2-methylph... | 15.648 | 198  | 55169    | 17.730 | ng/ul# | 82       |
| 67) N-Nitrosodiphenylamine    | 15.777 | 169  | 305016   | 20.027 | ng/ul  | 99       |
| 68) 4-Bromophenyl-phenylether | 16.460 | 248  | 104303   | 19.738 | ng/ul# | 93       |
| 69) Hexachlorobenzene         | 16.577 | 284  | 125663   | 19.801 | ng/ul# | 91       |
| 70) Atrazine                  | 16.730 | 200  | 109370   | 19.189 | ng/ul  | 99       |
| 71) Pentachlorophenol         | 16.918 | 266  | 70773    | 18.212 | ng/ul  | 97       |
| 72) Phenanthrene              | 17.307 | 178  | 563728   | 19.763 | ng/ul  | 99       |
| 74) Anthracene                | 17.401 | 178  | 559923   | 19.809 | ng/ul  | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 13.324 | 216  | 154879   | 19.291 | ng/ul  | 99       |
| 76) Pentachlorobenzene        | 14.848 | 250  | 145764   | 19.346 | ng/ul  | 99       |
| 77) Carbazole                 | 17.671 | 167  | 425822   | 18.211 | ng/ul  | 100      |
| 78) Di-n-butylphthalate       | 18.236 | 149  | 599858   | 20.212 | ng/ul  | 99       |
| 80) Fluoranthene              | 19.324 | 202  | 633865   | 20.145 | ng/ul# | 90       |
| 82) Pyrene                    | 19.683 | 202  | 692789   | 20.257 | ng/ul# | 86       |
| 83) Butylbenzylphthalate      | 20.583 | 149  | 271732   | 20.295 | ng/ul  | 87       |
| 84) 3,3'-Dichlorobenzidine    | 21.365 | 252  | 176647   | 19.348 | ng/ul# | 97       |
| 85) Benzo(a)anthracene        | 21.430 | 228  | 598463   | 19.757 | ng/ul  | 99       |
| 86) Bis(2-ethylhexyl)phtha... | 21.359 | 149  | 403027   | 20.113 | ng/ul# | 97       |
| 87) Chrysene                  | 21.477 | 228  | 647993   | 19.839 | ng/ul  | 98       |
| 89) Di-n-octyl phthalate      | 22.277 | 149  | 689619   | 19.128 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 23.094 | 252  | 658647   | 20.468 | ng/ul# | 97       |
| 91) Benzo(k)fluoranthene      | 23.147 | 252  | 673071   | 19.918 | ng/ul# | 97       |
| 93) Benzo(a)pyrene            | 23.718 | 252  | 631847   | 19.867 | ng/ul# | 97       |
| 94) Indeno(1,2,3-cd)pyrene    | 26.300 | 276  | 682352   | 20.048 | ng/ul# | 94       |
| 95) Dibenzo(a,h)anthracene    | 26.318 | 278  | 505632   | 18.122 | ng/ul# | 97       |
| 96) Benzo(g,h,i)perylene      | 27.059 | 276  | 635461   | 19.452 | ng/ul# | 93       |

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

