

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM111721\  
 Data File : BM033169.D  
 Acq On : 19 Nov 2021 00:36  
 Operator : CG/JU  
 Sample : SSTDCCC020EC  
 Misc :  
 ALS Vial : 45 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTD020080

Quant Time: Nov 19 01:32:47 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SFAM-EPA-BM111721.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Nov 17 14:14:11 2021  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 11/19/2021  
 Supervised By :mohammad ahmed 11/26/2021

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.966  | 152  | 140435   | 20.000 | ng/u1  | -0.01    |
| 20) Naphthalene-d8            | 10.766 | 136  | 628988   | 20.000 | ng/u1  | #-0.01   |
| 38) Acenaphthene-d10          | 14.583 | 164  | 436505   | 20.000 | ng/u1  | -0.01    |
| 64) Phenanthrene-d10          | 17.318 | 188  | 939479   | 20.000 | ng/u1  | -0.01    |
| 79) Chrysene-d12              | 21.471 | 240  | 756552   | 20.000 | ng/u1  | -0.01    |
| 88) Perylene-d12              | 23.818 | 264  | 615753   | 20.000 | ng/u1  | -0.02    |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.419  | 96   | 27270    | 7.486  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.837  | 84   | 192479   | 19.182 | ng/u1  | -0.01    |
| 7) Phenol-d5                  | 7.119  | 99   | 241348   | 20.317 | ng/u1  | -0.01    |
| 9) Bis-(2-Chloroethyl)eth...  | 7.295  | 67   | 151983   | 20.171 | ng/u1  | -0.01    |
| 11) 2-Chlorophenol-d4         | 7.495  | 132  | 180830   | 20.098 | ng/u1  | -0.01    |
| 15) 4-Methylphenol-d8         | 8.660  | 113  | 197122   | 21.382 | ng/u1  | -0.01    |
| 21) Nitrobenzene-d5           | 9.125  | 128  | 95267    | 21.096 | ng/u1  | -0.01    |
| 24) 2-Nitrophenol-d4          | 9.842  | 143  | 98214    | 21.716 | ng/u1  | -0.02    |
| 28) 2,4-Dichlorophenol-d3     | 10.378 | 165  | 202768   | 19.578 | ng/u1  | -0.01    |
| 31) 4-Chloroaniline-d4        | 10.895 | 131  | 273598   | 19.864 | ng/u1  | -0.01    |
| 46) Dimethylphthalate-d6      | 13.995 | 166  | 629738   | 19.669 | ng/u1  | -0.01    |
| 49) Acenaphthylene-d8         | 14.277 | 160  | 802032   | 19.444 | ng/u1  | -0.01    |
| 54) 4-Nitrophenol-d4          | 14.765 | 143  | 105774   | 20.282 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.571 | 176  | 565322   | 19.683 | ng/u1  | -0.01    |
| 65) 4,6-Dinitro-2-methylph... | 15.683 | 200  | 85470    | 19.358 | ng/u1  | -0.01    |
| 73) Anthracene-d10            | 17.418 | 188  | 883366   | 19.506 | ng/u1  | -0.01    |
| 81) Pyrene-d10                | 19.695 | 212  | 975098   | 21.810 | ng/u1  | -0.01    |
| 92) Benzo(a)pyrene-d12        | 23.665 | 264  | 643286   | 19.466 | ng/u1  | -0.02    |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.454  | 88   | 28023    | 7.577  | ng/uL# | 94       |
| 5) Pyridine                   | 3.860  | 79   | 197352   | 19.274 | ng/u1  | 97       |
| 6) Benzaldehyde               | 7.107  | 77   | 173062   | 25.563 | ng/u1  | 98       |
| 8) Phenol                     | 7.148  | 94   | 244729   | 20.688 | ng/u1  | 96       |
| 10) Bis(2-Chloroethyl)ether   | 7.390  | 93   | 194783   | 20.728 | ng/u1  | 98       |
| 12) 2-Chlorophenol            | 7.525  | 128  | 187992   | 20.244 | ng/u1  | 100      |
| 13) 2-Methylphenol            | 8.395  | 108  | 186663   | 20.599 | ng/u1  | 95       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.495  | 45   | 314047   | 21.639 | ng/u1  | 98       |
| 16) Acetophenone              | 8.789  | 105  | 313552   | 21.548 | ng/u1  | 98       |
| 17) N-Nitroso-di-n-propyla... | 8.772  | 70   | 177278   | 22.612 | ng/u1  | 100      |
| 18) 4-Methylphenol            | 8.725  | 108  | 204755   | 21.554 | ng/u1  | 98       |
| 19) Hexachloroethane          | 9.048  | 117  | 80189    | 18.955 | ng/u1  | 98       |
| 22) Nitrobenzene              | 9.166  | 77   | 250263   | 19.858 | ng/u1  | 100      |
| 23) Isophorone                | 9.695  | 82   | 475522   | 20.643 | ng/u1  | 99       |
| 25) 2-Nitrophenol             | 9.878  | 139  | 105828   | 22.075 | ng/u1  | 90       |
| 26) 2,4-Dimethylphenol        | 9.931  | 107  | 244848   | 19.439 | ng/u1  | 98       |
| 27) Bis(2-Chloroethoxy)met... | 10.172 | 93   | 273157   | 19.927 | ng/u1  | 96       |
| 29) 2,4-Dichlorophenol        | 10.407 | 162  | 199210   | 19.836 | ng/u1  | 96       |
| 30) Naphthalene               | 10.813 | 128  | 649950   | 19.432 | ng/u1  | 99       |
| 32) 4-Chloroaniline           | 10.919 | 127  | 279574   | 20.093 | ng/u1  | 100      |
| 33) Hexachlorobutadiene       | 11.089 | 225  | 135181   | 17.280 | ng/u1  | 99       |
| 34) Caprolactam               | 11.707 | 113  | 61096m   | 21.160 | ng/u1  |          |
| 35) 4-Chloro-3-methylphenol   | 12.030 | 107  | 225851   | 20.652 | ng/u1  | 96       |
| 36) 2-Methylnaphthalene       | 12.413 | 142  | 465428   | 20.083 | ng/u1  | 99       |

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## ClientSampleId :

SSTD020080

## Manual Integrations

## APPROVED

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Quant Title : SVOA CALIBRATION

QLast Update : Wed Nov 17 14:14:11 2021

Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 37) 1-Methylnaphthalene       | 12.636 | 142  | 476418   | 20.138 | ng/ul  | 98       |
| 39) 1,2,4,5-Tetrachloroben... | 12.777 | 216  | 262223   | 18.056 | ng/ul  | 99       |
| 40) Hexachlorocyclopentadiene | 12.754 | 237  | 170396   | 16.675 | ng/ul  | 98       |
| 41) 2,4,6-Trichlorophenol     | 13.019 | 196  | 165128   | 19.307 | ng/ul  | 96       |
| 42) 2,4,5-Trichlorophenol     | 13.083 | 196  | 177343   | 19.337 | ng/ul  | 97       |
| 43) 1,1'-Biphenyl             | 13.419 | 154  | 643715   | 18.927 | ng/ul  | 98       |
| 44) 2-Chloronaphthalene       | 13.466 | 162  | 488854   | 18.639 | ng/ul  | 99       |
| 45) 2-Nitroaniline            | 13.666 | 65   | 155800   | 22.537 | ng/ul  | 99       |
| 47) Dimethylphthalate         | 14.042 | 163  | 619387   | 19.849 | ng/ul  | 99       |
| 48) 2,6-Dinitrotoluene        | 14.160 | 165  | 121381   | 22.734 | ng/ul# | 90       |
| 50) Acenaphthylene            | 14.307 | 152  | 811313   | 19.383 | ng/ul  | 99       |
| 51) 3-Nitroaniline            | 14.489 | 138  | 123940   | 23.039 | ng/ul# | 93       |
| 52) Acenaphthene              | 14.648 | 153  | 526269   | 19.274 | ng/ul  | 99       |
| 53) 2,4-Dinitrophenol         | 14.689 | 184  | 50635    | 18.581 | ng/ul  | 96       |
| 55) 4-Nitrophenol             | 14.783 | 109  | 97284    | 18.264 | ng/ul  | 98       |
| 56) Dibenzofuran              | 14.983 | 168  | 770771   | 19.260 | ng/ul  | 96       |
| 57) 2,4-Dinitrotoluene        | 14.942 | 165  | 171894   | 23.410 | ng/ul  | 96       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.201 | 232  | 152211   | 20.333 | ng/ul  | 97       |
| 59) Diethylphthalate          | 15.395 | 149  | 623988   | 19.964 | ng/ul  | 98       |
| 61) Fluorene                  | 15.624 | 166  | 627715   | 19.734 | ng/ul  | 98       |
| 62) 4-Chlorophenyl-phenyle... | 15.618 | 204  | 320292   | 19.292 | ng/ul  | 99       |
| 63) 4-Nitroaniline            | 15.642 | 138  | 126155   | 23.849 | ng/ul  | 91       |
| 66) 4,6-Dinitro-2-methylph... | 15.695 | 198  | 88311    | 19.956 | ng/ul  | 95       |
| 67) N-Nitrosodiphenylamine    | 15.830 | 169  | 543006   | 19.652 | ng/ul  | 100      |
| 68) 4-Bromophenyl-phenylether | 16.512 | 248  | 198766   | 19.025 | ng/ul  | 98       |
| 69) Hexachlorobenzene         | 16.624 | 284  | 226076   | 18.889 | ng/ul  | 97       |
| 70) Atrazine                  | 16.777 | 200  | 201731   | 18.894 | ng/ul  | 99       |
| 71) Pentachlorophenol         | 16.965 | 266  | 125957   | 18.206 | ng/ul  | 98       |
| 72) Phenanthrene              | 17.359 | 178  | 1007094  | 19.352 | ng/ul  | 98       |
| 74) Anthracene                | 17.454 | 178  | 1014285  | 19.436 | ng/ul  | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 13.383 | 216  | 274740   | 17.804 | ng/uL  | 98       |
| 76) Pentachlorobenzene        | 14.895 | 250  | 279677   | 18.487 | ng/uL  | 99       |
| 77) Carbazole                 | 17.718 | 167  | 887124   | 19.135 | ng/ul  | 99       |
| 78) Di-n-butylphthalate       | 18.277 | 149  | 1041978  | 20.554 | ng/ul  | 100      |
| 80) Fluoranthene              | 19.365 | 202  | 1149467  | 21.946 | ng/ul  | 97       |
| 82) Pyrene                    | 19.724 | 202  | 1163166  | 21.872 | ng/ul  | 96       |
| 83) Butylbenzylphthalate      | 20.612 | 149  | 394690   | 21.723 | ng/ul  | 99       |
| 84) 3,3'-Dichlorobenzidine    | 21.389 | 252  | 306691   | 17.994 | ng/ul  | 99       |
| 85) Benzo(a)anthracene        | 21.453 | 228  | 943919   | 19.290 | ng/ul  | 99       |
| 86) Bis(2-ethylhexyl)phtha... | 21.377 | 149  | 522172   | 20.275 | ng/ul  | 100      |
| 87) Chrysene                  | 21.506 | 228  | 907763   | 18.996 | ng/ul  | 99       |
| 89) Di-n-octyl phthalate      | 22.289 | 149  | 765372   | 20.400 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 23.106 | 252  | 844988   | 20.376 | ng/ul  | 99       |
| 91) Benzo(k)fluoranthene      | 23.147 | 252  | 735250   | 19.354 | ng/ul# | 98       |
| 93) Benzo(a)pyrene            | 23.712 | 252  | 760299   | 19.399 | ng/ul# | 98       |
| 94) Indeno(1,2,3-cd)pyrene    | 26.212 | 276  | 785050   | 17.988 | ng/ul# | 95       |
| 95) Dibenzo(a,h)anthracene    | 26.229 | 278  | 677106   | 18.134 | ng/ul  | 98       |
| 96) Benzo(g,h,i)perylene      | 26.953 | 276  | 679646   | 17.942 | ng/ul  | 96       |

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

