

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP070323\  
 Data File : BP015940.D  
 Acq On : 03 Jul 2023 08:40  
 Operator : MA/JU  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

## Instrument :

BNA\_P

## ClientSampleId :

SSTD020785

## Manual Integrations

## APPROVED

Reviewed By :Sohil Jodhani 07/04/2023  
 Supervised By :Yogesh Patel 07/04/2023

Quant Time: Jul 03 22:15:55 2023

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP062623.MA.M

Quant Title : SVOA CALIBRATION

QLast Update : Sun Jul 02 06:12:16 2023

Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.040  | 152  | 207150   | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.863 | 136  | 926928   | 20.000 | ng/u1  | # 0.00   |
| 38) Acenaphthene-d10          | 14.693 | 164  | 543806   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.457 | 188  | 1025156  | 20.000 | ng/u1  | # 0.00   |
| 79) Chrysene-d12              | 21.551 | 240  | 780774   | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 24.098 | 264  | 869446   | 20.000 | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.376  | 96   | 48002    | 8.337  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.817  | 84   | 326144   | 22.471 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 7.228  | 99   | 405533   | 22.880 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.369  | 67   | 265135   | 24.179 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.575  | 132  | 304390   | 22.751 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.781  | 113  | 313333   | 22.378 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 9.228  | 128  | 154534   | 21.815 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.958  | 143  | 167601   | 20.272 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.522 | 165  | 302965   | 20.563 | ng/u1  | 0.01     |
| 31) 4-Chloroaniline-d4        | 11.034 | 131  | 389352   | 20.572 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 14.098 | 166  | 845599   | 20.118 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.387 | 160  | 979634   | 20.733 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.987 | 143  | 44885    | 8.092  | ng/u1  | 0.04     |
| 60) Fluorene-d10              | 15.693 | 176  | 696801   | 20.133 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.863 | 200  | 83790    | 13.290 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.557 | 188  | 991598   | 21.176 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.786 | 212  | 987631   | 19.372 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.927 | 264  | 876714   | 19.989 | ng/u1  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.411  | 88   | 50347    | 8.126  | ng/uL  | 96       |
| 5) Pyridine                   | 3.840  | 79   | 335351   | 22.087 | ng/u1  | 98       |
| 6) Benzaldehyde               | 7.193  | 77   | 82707    | 11.542 | ng/u1  | 98       |
| 8) Phenol                     | 7.252  | 94   | 432904   | 23.537 | ng/u1  | 90       |
| 10) Bis(2-Chloroethyl)ether   | 7.464  | 93   | 347016   | 23.713 | ng/u1  | 100      |
| 12) 2-Chlorophenol            | 7.611  | 128  | 321769   | 22.637 | ng/u1  | 97       |
| 13) 2-Methylphenol            | 8.511  | 108  | 324822   | 23.391 | ng/u1  | 98       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.575  | 45   | 515482   | 25.790 | ng/u1  | 99       |
| 16) Acetophenone              | 8.887  | 105  | 529985   | 23.026 | ng/u1  | 97       |
| 17) N-Nitroso-di-n-propyla... | 8.858  | 70   | 286124   | 22.382 | ng/u1  | 99       |
| 18) 4-Methylphenol            | 8.852  | 108  | 350449   | 23.488 | ng/u1  | 96       |
| 19) Hexachloroethane          | 9.116  | 117  | 132288   | 20.150 | ng/u1  | 90       |
| 22) Nitrobenzene              | 9.275  | 77   | 417293   | 20.977 | ng/u1  | 97       |
| 23) Isophorone                | 9.793  | 82   | 777921   | 20.435 | ng/u1  | 98       |
| 25) 2-Nitrophenol             | 9.993  | 139  | 180980   | 20.626 | ng/u1  | 91       |
| 26) 2,4-Dimethylphenol        | 10.052 | 107  | 386844   | 20.055 | ng/u1  | 93       |
| 27) Bis(2-Chloroethoxy)met... | 10.275 | 93   | 485457   | 22.590 | ng/u1  | 98       |
| 29) 2,4-Dichlorophenol        | 10.546 | 162  | 308177   | 21.039 | ng/u1  | 99       |
| 30) Naphthalene               | 10.916 | 128  | 1077328  | 21.380 | ng/u1  | 99       |
| 32) 4-Chloroaniline           | 11.063 | 127  | 411068   | 20.905 | ng/u1  | 97       |
| 33) Hexachlorobutadiene       | 11.181 | 225  | 193812   | 17.521 | ng/u1  | 99       |
| 34) Caprolactam               | 11.857 | 113  | 91858m   | 20.502 | ng/u1  |          |
| 35) 4-Chloro-3-methylphenol   | 12.193 | 107  | 340581   | 19.864 | ng/u1  | 97       |
| 36) 2-Methylnaphthalene       | 12.528 | 142  | 696317   | 20.991 | ng/u1  | 98       |

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 Quant Title : SVOA CALIBRATION  
 QLast Update : Sun Jul 02 06:12:16 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 37) 1-Methylnaphthalene       | 12.746 | 142  | 695992   | 20.568 | ng/ul# | 98       |
| 39) 1,2,4,5-Tetrachloroben... | 12.899 | 216  | 365867   | 20.416 | ng/ul  | 98       |
| 40) Hexachlorocyclopentadiene | 12.851 | 237  | 22745    | 4.243  | ng/ul  | 94       |
| 41) 2,4,6-Trichlorophenol     | 13.151 | 196  | 227691   | 20.105 | ng/ul  | 95       |
| 42) 2,4,5-Trichlorophenol     | 13.246 | 196  | 238060   | 19.818 | ng/ul  | 97       |
| 43) 1,1'-Biphenyl             | 13.528 | 154  | 927139   | 21.525 | ng/ul  | 97       |
| 44) 2-Chloronaphthalene       | 13.575 | 162  | 719311   | 21.199 | ng/ul  | 99       |
| 45) 2-Nitroaniline            | 13.810 | 65   | 216902   | 20.316 | ng/ul  | 95       |
| 47) Dimethylphthalate         | 14.146 | 163  | 874829   | 20.111 | ng/ul  | 99       |
| 48) 2,6-Dinitrotoluene        | 14.298 | 165  | 174862   | 19.817 | ng/ul  | 95       |
| 50) Acenaphthylene            | 14.416 | 152  | 1102531  | 21.177 | ng/ul  | 99       |
| 51) 3-Nitroaniline            | 14.651 | 138  | 133920   | 19.354 | ng/ul  | 95       |
| 52) Acenaphthene              | 14.757 | 153  | 757637   | 20.986 | ng/ul  | 99       |
| 53) 2,4-Dinitrophenol         | 14.898 | 184  | 38304m   | 8.182  | ng/ul  |          |
| 55) 4-Nitrophenol             | 15.010 | 109  | 79335    | 13.802 | ng/ul# | 75       |
| 56) Dibenzofuran              | 15.098 | 168  | 1037408  | 20.700 | ng/ul  | 97       |
| 57) 2,4-Dinitrotoluene        | 15.104 | 165  | 230972   | 19.209 | ng/ul# | 93       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.345 | 232  | 184984   | 17.928 | ng/ul  | 98       |
| 59) Diethylphthalate          | 15.504 | 149  | 872841   | 19.828 | ng/ul  | 98       |
| 61) Fluorene                  | 15.745 | 166  | 820166   | 20.176 | ng/ul  | 99       |
| 62) 4-Chlorophenyl-phenyle... | 15.734 | 204  | 404788   | 19.461 | ng/ul  | 95       |
| 63) 4-Nitroaniline            | 15.834 | 138  | 38028m   | 8.030  | ng/ul  |          |
| 66) 4,6-Dinitro-2-methylph... | 15.875 | 198  | 86686    | 13.590 | ng/ul# | 89       |
| 67) N-Nitrosodiphenylamine    | 15.957 | 169  | 675871   | 22.023 | ng/ul  | 99       |
| 68) 4-Bromophenyl-phenylether | 16.634 | 248  | 236007   | 20.160 | ng/ul  | 89       |
| 69) Hexachlorobenzene         | 16.757 | 284  | 270871   | 19.610 | ng/ul  | 96       |
| 70) Atrazine                  | 16.910 | 200  | 224727   | 19.130 | ng/ul  | 97       |
| 71) Pentachlorophenol         | 17.128 | 266  | 111985m  | 16.892 | ng/ul  |          |
| 72) Phenanthrene              | 17.498 | 178  | 1177094  | 21.136 | ng/ul  | 100      |
| 74) Anthracene                | 17.598 | 178  | 1196659  | 21.384 | ng/ul  | 100      |
| 75) 1,2,3,4-Tetrachloroben... | 13.499 | 216  | 369756   | 22.166 | ng/uL  | 99       |
| 76) Pentachlorobenzene        | 15.016 | 250  | 352939   | 20.964 | ng/uL  | 99       |
| 77) Carbazole                 | 17.881 | 167  | 1027665  | 21.788 | ng/ul  | 99       |
| 78) Di-n-butylphthalate       | 18.386 | 149  | 1373087  | 21.959 | ng/ul  | 99       |
| 80) Fluoranthene              | 19.463 | 202  | 1237762  | 19.535 | ng/ul# | 93       |
| 82) Pyrene                    | 19.822 | 202  | 1264964  | 19.571 | ng/ul# | 91       |
| 83) Butylbenzylphthalate      | 20.663 | 149  | 559071   | 21.202 | ng/ul  | 100      |
| 84) 3,3'-Dichlorobenzidine    | 21.463 | 252  | 345098   | 19.552 | ng/ul  | 98       |
| 85) Benzo(a)anthracene        | 21.533 | 228  | 1129534  | 20.566 | ng/ul  | 99       |
| 86) Bis(2-ethylhexyl)phtha... | 21.410 | 149  | 807990   | 22.296 | ng/ul  | 100      |
| 87) Chrysene                  | 21.592 | 228  | 1097917  | 21.069 | ng/ul  | 99       |
| 89) Di-n-octyl phthalate      | 22.369 | 149  | 1333544  | 20.987 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 23.310 | 252  | 1115230  | 19.963 | ng/ul  | 98       |
| 91) Benzo(k)fluoranthene      | 23.357 | 252  | 1127511  | 19.975 | ng/ul# | 97       |
| 93) Benzo(a)pyrene            | 23.986 | 252  | 987161   | 20.223 | ng/ul# | 98       |
| 94) Indeno(1,2,3-cd)pyrene    | 26.792 | 276  | 1309426  | 19.760 | ng/ul# | 91       |
| 95) Dibenzo(a,h)anthracene    | 26.798 | 278  | 1072975  | 19.713 | ng/ul# | 94       |
| 96) Benzo(g,h,i)perylene      | 27.639 | 276  | 1070485  | 19.636 | ng/ul# | 94       |

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

