

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP101723\  
 Data File : BP017713.D  
 Acq On : 18 Oct 2023 00:21  
 Operator : MA/JU  
 Sample : SSTDCCC020EC  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 SSTD020784

Quant Time: Oct 18 01:20:46 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP101223.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Oct 12 16:14:36 2023  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/18/2023  
 Supervised By :mohammad ahmed 10/19/2023

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.899  | 152  | 141483   | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.734 | 136  | 568797   | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.598 | 164  | 361332   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.392 | 188  | 808681   | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.533 | 240  | 924023   | 20.000 | ng/u1  | -0.01    |
| 88) Perylene-d12              | 24.098 | 264  | 1065338  | 20.000 | ng/u1  | -0.02    |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.258  | 96   | 30107    | 7.846  | ng/uL  | -0.01    |
| 4) Pyridine-d5                | 3.693  | 84   | 211781   | 19.964 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 7.052  | 99   | 259442   | 19.696 | ng/u1  | -0.01    |
| 9) Bis-(2-Chloroethyl)eth...  | 7.240  | 67   | 163089   | 20.417 | ng/u1  | -0.01    |
| 11) 2-Chlorophenol-d4         | 7.416  | 132  | 209954   | 20.592 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.622  | 113  | 204996   | 19.484 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 9.104  | 128  | 99009    | 20.724 | ng/u1  | -0.01    |
| 24) 2-Nitrophenol-d4          | 9.822  | 143  | 105754   | 19.683 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.351 | 165  | 211181   | 20.914 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.904 | 131  | 291413   | 20.134 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 14.016 | 166  | 632923   | 20.225 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.292 | 160  | 709186   | 21.045 | ng/u1  | -0.01    |
| 54) 4-Nitrophenol-d4          | 14.845 | 143  | 93444    | 17.854 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.604 | 176  | 542445   | 20.378 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.751 | 200  | 98534    | 17.239 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.492 | 188  | 875259   | 20.966 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.751 | 212  | 1108716  | 19.936 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.927 | 264  | 1237738  | 20.696 | ng/u1  | -0.01    |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.293  | 88   | 31834    | 7.822  | ng/uL  | 98       |
| 5) Pyridine                   | 3.711  | 79   | 225879   | 20.734 | ng/u1  | 97       |
| 6) Benzaldehyde               | 7.058  | 77   | 150174   | 22.508 | ng/u1  | 97       |
| 8) Phenol                     | 7.081  | 94   | 261901   | 20.034 | ng/u1  | 98       |
| 10) Bis(2-Chloroethyl)ether   | 7.334  | 93   | 211880   | 20.199 | ng/u1  | 97       |
| 12) 2-Chlorophenol            | 7.452  | 128  | 213075   | 20.917 | ng/u1  | 99       |
| 13) 2-Methylphenol            | 8.352  | 108  | 192666   | 19.797 | ng/u1  | 97       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.410  | 45   | 279071m  | 20.619 | ng/u1  |          |
| 16) Acetophenone              | 8.757  | 105  | 327215   | 19.988 | ng/u1  | 99       |
| 17) N-Nitroso-di-n-propyla... | 8.722  | 70   | 165204   | 19.939 | ng/u1  | 99       |
| 18) 4-Methylphenol            | 8.687  | 108  | 210764   | 19.923 | ng/u1  | 100      |
| 19) Hexachloroethane          | 8.957  | 117  | 92420    | 20.309 | ng/u1  | 97       |
| 22) Nitrobenzene              | 9.152  | 77   | 263505   | 21.472 | ng/u1  | 99       |
| 23) Isophorone                | 9.663  | 82   | 443148   | 20.028 | ng/u1  | 99       |
| 25) 2-Nitrophenol             | 9.857  | 139  | 118967   | 20.813 | ng/u1  | 98       |
| 26) 2,4-Dimethylphenol        | 9.899  | 107  | 235654   | 20.749 | ng/u1  | 97       |
| 27) Bis(2-Chloroethoxy)met... | 10.151 | 93   | 279347   | 20.662 | ng/u1  | 98       |
| 29) 2,4-Dichlorophenol        | 10.381 | 162  | 204363   | 20.974 | ng/u1  | 95       |
| 30) Naphthalene               | 10.787 | 128  | 690481   | 20.881 | ng/u1  | 99       |
| 32) 4-Chloroaniline           | 10.928 | 127  | 283246   | 20.466 | ng/u1  | 97       |
| 33) Hexachlorobutadiene       | 11.004 | 225  | 151448   | 20.102 | ng/u1  | 97       |
| 34) Caprolactam               | 11.763 | 113  | 56732    | 19.036 | ng/u1  | 92       |
| 35) 4-Chloro-3-methylphenol   | 12.046 | 107  | 213834   | 20.802 | ng/u1  | 99       |
| 36) 2-Methylnaphthalene       | 12.404 | 142  | 469223   | 20.720 | ng/u1  | 98       |

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| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 37) 1-Methylnaphthalene       | 12.622 | 142  | 477724   | 20.784 | ng/ul  | 99       |
| 39) 1,2,4,5-Tetrachloroben... | 12.757 | 216  | 281434   | 21.349 | ng/ul  | 97       |
| 40) Hexachlorocyclopentadiene | 12.698 | 237  | 116480   | 19.668 | ng/ul  | 98       |
| 41) 2,4,6-Trichlorophenol     | 13.022 | 196  | 166838   | 20.552 | ng/ul  | 96       |
| 42) 2,4,5-Trichlorophenol     | 13.092 | 196  | 180295   | 21.038 | ng/ul  | 97       |
| 43) 1,1'-Biphenyl             | 13.422 | 154  | 623740   | 21.062 | ng/ul  | 99       |
| 44) 2-Chloronaphthalene       | 13.469 | 162  | 506128   | 21.363 | ng/ul  | 99       |
| 45) 2-Nitroaniline            | 13.722 | 65   | 134459   | 20.530 | ng/ul  | 97       |
| 47) Dimethylphthalate         | 14.063 | 163  | 629913   | 20.383 | ng/ul  | 99       |
| 48) 2,6-Dinitrotoluene        | 14.216 | 165  | 115671   | 20.224 | ng/ul  | 94       |
| 50) Acenaphthylene            | 14.322 | 152  | 803439   | 21.076 | ng/ul  | 100      |
| 51) 3-Nitroaniline            | 14.557 | 138  | 111655   | 19.356 | ng/ul  | 95       |
| 52) Acenaphthene              | 14.663 | 153  | 532313   | 20.993 | ng/ul  | 99       |
| 53) 2,4-Dinitrophenol         | 14.775 | 184  | 52250    | 14.794 | ng/ul  | 91       |
| 55) 4-Nitrophenol             | 14.863 | 109  | 89561m   | 18.264 | ng/ul  |          |
| 56) Dibenzofuran              | 15.004 | 168  | 761124   | 20.924 | ng/ul  | 100      |
| 57) 2,4-Dinitrotoluene        | 15.004 | 165  | 177873   | 20.146 | ng/ul  | 92       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.228 | 232  | 161244   | 20.340 | ng/ul  | 99       |
| 59) Diethylphthalate          | 15.428 | 149  | 623508   | 20.114 | ng/ul  | 99       |
| 61) Fluorene                  | 15.663 | 166  | 622213   | 20.747 | ng/ul  | 96       |
| 62) 4-Chlorophenyl-phenyle... | 15.651 | 204  | 325658   | 20.421 | ng/ul  | 96       |
| 63) 4-Nitroaniline            | 15.734 | 138  | 115353   | 20.122 | ng/ul  | 99       |
| 66) 4,6-Dinitro-2-methylph... | 15.763 | 198  | 109970   | 18.370 | ng/ul# | 95       |
| 67) N-Nitrosodiphenylamine    | 15.881 | 169  | 518668   | 21.465 | ng/ul  | 99       |
| 68) 4-Bromophenyl-phenylether | 16.563 | 248  | 199851   | 20.495 | ng/ul  | 96       |
| 69) Hexachlorobenzene         | 16.645 | 284  | 245129   | 21.122 | ng/ul  | 98       |
| 70) Atrazine                  | 16.845 | 200  | 194844   | 20.836 | ng/ul  | 99       |
| 71) Pentachlorophenol         | 17.022 | 266  | 133384   | 18.978 | ng/ul  | 98       |
| 72) Phenanthrene              | 17.433 | 178  | 1010345  | 21.237 | ng/ul  | 99       |
| 74) Anthracene                | 17.528 | 178  | 1013710  | 21.064 | ng/ul  | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 13.375 | 216  | 285961   | 22.411 | ng/uL  | 97       |
| 76) Pentachlorobenzene        | 14.892 | 250  | 284913   | 21.758 | ng/uL  | 97       |
| 77) Carbazole                 | 17.822 | 167  | 920218   | 21.115 | ng/ul  | 99       |
| 78) Di-n-butylphthalate       | 18.333 | 149  | 1013102  | 18.876 | ng/ul  | 100      |
| 80) Fluoranthene              | 19.416 | 202  | 1259035  | 19.810 | ng/ul  | 99       |
| 82) Pyrene                    | 19.780 | 202  | 1342545  | 20.220 | ng/ul  | 99       |
| 83) Butylbenzylphthalate      | 20.651 | 149  | 472768   | 18.302 | ng/ul  | 99       |
| 84) 3,3'-Dichlorobenzidine    | 21.463 | 252  | 448481   | 18.949 | ng/ul  | 99       |
| 85) Benzo(a)anthracene        | 21.516 | 228  | 1480567  | 20.897 | ng/ul  | 99       |
| 86) Bis(2-ethylhexyl)phtha... | 21.392 | 149  | 671360   | 17.188 | ng/ul  | 100      |
| 87) Chrysene                  | 21.574 | 228  | 1370154  | 20.955 | ng/ul  | 99       |
| 89) Di-n-octyl phthalate      | 22.380 | 149  | 1200230  | 17.255 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 23.298 | 252  | 1528361  | 21.067 | ng/ul  | 100      |
| 91) Benzo(k)fluoranthene      | 23.351 | 252  | 1487791  | 20.614 | ng/ul  | 100      |
| 93) Benzo(a)pyrene            | 23.980 | 252  | 1430648  | 21.178 | ng/ul  | 99       |
| 94) Indeno(1,2,3-cd)pyrene    | 26.821 | 276  | 1748124  | 21.101 | ng/ul  | 99       |
| 95) Dibenzo(a,h)anthracene    | 26.845 | 278  | 1470475  | 21.178 | ng/ul  | 98       |
| 96) Benzo(g,h,i)perylene      | 27.674 | 276  | 1402153  | 21.284 | ng/ul  | 99       |

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

