

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP050823\  
 Data File : BP014990.D  
 Acq On : 08 May 2023 12:02  
 Operator : CG/JU  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 SSTD020700

Manual Integrations  
 APPROVED

Reviewed By : Christian Giraldo 05/09/2023  
 Supervised By : Jagrut Upadhyay 05/09/2023

Quant Time: May 08 22:56:12 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP050323.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri May 05 12:12:36 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.163  | 152  | 258622   | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.999 | 136  | 1145036  | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.810 | 164  | 701783   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.569 | 188  | 1384874  | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.645 | 240  | 791265   | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 24.251 | 264  | 837815   | 20.000 | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.458  | 96   | 40806    | 5.867  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.899  | 84   | 280431   | 14.750 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 7.310  | 99   | 372985   | 16.635 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.481  | 67   | 223484   | 16.126 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.687  | 132  | 279596   | 16.959 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.875  | 113  | 295977   | 17.129 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 9.346  | 128  | 143147   | 17.578 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 10.069 | 143  | 158671   | 18.975 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.616 | 165  | 295560   | 18.001 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 11.134 | 131  | 405210   | 17.062 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 14.210 | 166  | 839161   | 16.895 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.504 | 160  | 987303   | 16.574 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.998 | 143  | 136683   | 15.818 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.804 | 176  | 715660   | 16.748 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.922 | 200  | 123538   | 15.846 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.669 | 188  | 1022065  | 16.426 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.886 | 212  | 931624   | 17.457 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.074 | 264  | 670612   | 16.428 | ng/u1  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.493  | 88   | 45718    | 6.067  | ng/uL  | 98       |
| 5) Pyridine                   | 3.917  | 79   | 304512   | 15.386 | ng/u1  | 98       |
| 6) Benzaldehyde               | 7.293  | 77   | 123142   | 20.087 | ng/u1  | 97       |
| 8) Phenol                     | 7.340  | 94   | 383000   | 16.270 | ng/u1  | 98       |
| 10) Bis(2-Chloroethyl)ether   | 7.575  | 93   | 317624   | 16.233 | ng/u1  | 99       |
| 12) 2-Chlorophenol            | 7.722  | 128  | 301582   | 16.886 | ng/u1  | 99       |
| 13) 2-Methylphenol            | 8.610  | 108  | 296179   | 16.874 | ng/u1  | 100      |
| 14) 2,2'-oxybis(1-Chloropr... | 8.693  | 45   | 401167   | 16.164 | ng/u1  | 100      |
| 16) Acetophenone              | 8.999  | 105  | 485998   | 17.202 | ng/u1  | 98       |
| 17) N-Nitroso-di-n-propyla... | 8.981  | 70   | 248805   | 17.280 | ng/u1  | 99       |
| 18) 4-Methylphenol            | 8.940  | 108  | 326131   | 16.807 | ng/u1  | 96       |
| 19) Hexachloroethane          | 9.263  | 117  | 125511   | 16.197 | ng/u1  | 97       |
| 22) Nitrobenzene              | 9.387  | 77   | 360237   | 16.835 | ng/u1  | 96       |
| 23) Isophorone                | 9.916  | 82   | 720662   | 17.041 | ng/u1  | 99       |
| 25) 2-Nitrophenol             | 10.104 | 139  | 172956   | 17.984 | ng/u1  | 99       |
| 26) 2,4-Dimethylphenol        | 10.157 | 107  | 352506   | 16.890 | ng/u1  | 99       |
| 27) Bis(2-Chloroethoxy)met... | 10.399 | 93   | 444271   | 16.433 | ng/u1  | 100      |
| 29) 2,4-Dichlorophenol        | 10.640 | 162  | 296429   | 17.454 | ng/u1  | 98       |
| 30) Naphthalene               | 11.051 | 128  | 1008898  | 16.029 | ng/u1  | 100      |
| 32) 4-Chloroaniline           | 11.157 | 127  | 421681   | 17.015 | ng/u1  | 99       |
| 33) Hexachlorobutadiene       | 11.334 | 225  | 186022   | 16.975 | ng/u1  | 98       |
| 34) Caprolactam               | 11.928 | 113  | 94371m   | 18.037 | ng/u1  |          |
| 35) 4-Chloro-3-methylphenol   | 12.269 | 107  | 317065   | 18.161 | ng/u1  | 99       |
| 36) 2-Methylnaphthalene       | 12.651 | 142  | 667330   | 17.145 | ng/u1  | 100      |

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| 37) 1-Methylnaphthalene       | 12.869 | 142  | 668887   | 16.672 | ng/ul | 100      |
| 39) 1,2,4,5-Tetrachloroben... | 13.010 | 216  | 360248   | 16.457 | ng/ul | 99       |
| 40) Hexachlorocyclopentadiene | 12.987 | 237  | 295618   | 20.027 | ng/ul | 99       |
| 41) 2,4,6-Trichlorophenol     | 13.245 | 196  | 239286   | 17.740 | ng/ul | 98       |
| 42) 2,4,5-Trichlorophenol     | 13.316 | 196  | 256666   | 17.655 | ng/ul | 98       |
| 43) 1,1'-Biphenyl             | 13.645 | 154  | 904513   | 16.121 | ng/ul | 99       |
| 44) 2-Chloronaphthalene       | 13.692 | 162  | 710357   | 16.254 | ng/ul | 100      |
| 45) 2-Nitroaniline            | 13.892 | 65   | 190345   | 18.703 | ng/ul | 99       |
| 47) Dimethylphthalate         | 14.257 | 163  | 883297   | 16.913 | ng/ul | 100      |
| 48) 2,6-Dinitrotoluene        | 14.381 | 165  | 170202   | 18.442 | ng/ul | 99       |
| 50) Acenaphthylene            | 14.534 | 152  | 1098638  | 16.268 | ng/ul | 99       |
| 51) 3-Nitroaniline            | 14.710 | 138  | 130188   | 15.590 | ng/ul | 98       |
| 52) Acenaphthene              | 14.875 | 153  | 748281   | 16.012 | ng/ul | 98       |
| 53) 2,4-Dinitrophenol         | 14.922 | 184  | 82007    | 14.600 | ng/ul | 95       |
| 55) 4-Nitrophenol             | 15.010 | 109  | 107805   | 16.391 | ng/ul | 96       |
| 56) Dibenzofuran              | 15.210 | 168  | 1049311  | 16.640 | ng/ul | 99       |
| 57) 2,4-Dinitrotoluene        | 15.169 | 165  | 239715   | 18.544 | ng/ul | 97       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.434 | 232  | 213363   | 18.033 | ng/ul | 94       |
| 59) Diethylphthalate          | 15.616 | 149  | 869762   | 17.625 | ng/ul | 99       |
| 61) Fluorene                  | 15.857 | 166  | 838437   | 16.855 | ng/ul | 100      |
| 62) 4-Chlorophenyl-phenyle... | 15.845 | 204  | 414866   | 17.043 | ng/ul | 98       |
| 63) 4-Nitroaniline            | 15.875 | 138  | 107030   | 15.356 | ng/ul | 98       |
| 66) 4,6-Dinitro-2-methylph... | 15.934 | 198  | 131002   | 15.842 | ng/ul | 100      |
| 67) N-Nitrosodiphenylamine    | 16.063 | 169  | 702305   | 16.709 | ng/ul | 100      |
| 68) 4-Bromophenyl-phenylether | 16.745 | 248  | 254366   | 17.656 | ng/ul | 96       |
| 69) Hexachlorobenzene         | 16.869 | 284  | 284572   | 16.769 | ng/ul | 96       |
| 70) Atrazine                  | 17.010 | 200  | 247917   | 17.528 | ng/ul | 99       |
| 71) Pentachlorophenol         | 17.210 | 266  | 158385   | 15.989 | ng/ul | 100      |
| 72) Phenanthrene              | 17.610 | 178  | 1233714  | 16.125 | ng/ul | 99       |
| 74) Anthracene                | 17.698 | 178  | 1249589  | 16.405 | ng/ul | 100      |
| 75) 1,2,3,4-Tetrachloroben... | 13.616 | 216  | 365590   | 15.947 | ng/ul | 99       |
| 76) Pentachlorobenzene        | 15.128 | 250  | 359266   | 16.472 | ng/ul | 99       |
| 77) Carbazole                 | 17.963 | 167  | 1055291  | 16.472 | ng/ul | 100      |
| 78) Di-n-butylphthalate       | 18.492 | 149  | 1402845  | 19.582 | ng/ul | 100      |
| 80) Fluoranthene              | 19.557 | 202  | 1194172  | 18.236 | ng/ul | 99       |
| 82) Pyrene                    | 19.910 | 202  | 1203891  | 17.352 | ng/ul | 98       |
| 83) Butylbenzylphthalate      | 20.763 | 149  | 477357   | 22.917 | ng/ul | 99       |
| 84) 3,3'-Dichlorobenzidine    | 21.551 | 252  | 278618   | 20.921 | ng/ul | 97       |
| 85) Benzo(a)anthracene        | 21.627 | 228  | 883190   | 16.723 | ng/ul | 99       |
| 86) Bis(2-ethylhexyl)phtha... | 21.527 | 149  | 658017   | 25.106 | ng/ul | 100      |
| 87) Chrysene                  | 21.686 | 228  | 827766   | 15.566 | ng/ul | 100      |
| 89) Di-n-octyl phthalate      | 22.516 | 149  | 975915   | 19.950 | ng/ul | 100      |
| 90) Benzo(b)fluoranthene      | 23.445 | 252  | 871100   | 16.088 | ng/ul | 99       |
| 91) Benzo(k)fluoranthene      | 23.498 | 252  | 819656   | 14.874 | ng/ul | 99       |
| 93) Benzo(a)pyrene            | 24.133 | 252  | 763425   | 16.077 | ng/ul | 99       |
| 94) Indeno(1,2,3-cd)pyrene    | 27.015 | 276  | 1060368  | 18.306 | ng/ul | 98       |
| 95) Dibenzo(a,h)anthracene    | 27.027 | 278  | 878163   | 18.497 | ng/ul | 100      |
| 96) Benzo(g,h,i)perylene      | 27.862 | 276  | 880474   | 17.860 | ng/ul | 97       |

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

