

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP092023\  
 Data File : BP017243.D  
 Acq On : 20 Sep 2023 17:26  
 Operator : MA/JU  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 SSTD020741

Quant Time: Sep 20 22:56:30 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP092023.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Sep 20 14:34:55 2023  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/21/2023  
 Supervised By :mohammad ahmed 09/21/2023

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.940  | 152  | 175253   | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.763 | 136  | 722618   | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.598 | 164  | 433510   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.374 | 188  | 925878   | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.474 | 240  | 904249   | 20.000 | ng/u1  | -0.01    |
| 88) Perylene-d12              | 23.998 | 264  | 1027148  | 20.000 | ng/u1  | -0.02    |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.305  | 96   | 34055    | 7.982  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.740  | 84   | 244937   | 20.534 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 7.093  | 99   | 295715   | 20.545 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.281  | 67   | 181216   | 20.862 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.457  | 132  | 235419   | 20.622 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.651  | 113  | 230095   | 20.562 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 9.140  | 128  | 110348   | 21.123 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.851  | 143  | 118814   | 20.946 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.375 | 165  | 229081   | 21.376 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.928 | 131  | 325455   | 20.964 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 14.016 | 166  | 650859   | 20.958 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.298 | 160  | 756710   | 21.186 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.822 | 143  | 108734   | 20.097 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.598 | 176  | 559303   | 20.920 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.727 | 200  | 101440   | 19.439 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.474 | 188  | 873969   | 21.283 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.715 | 212  | 1024090  | 20.943 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.833 | 264  | 1033456  | 20.897 | ng/u1  | -0.01    |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.340  | 88   | 34505    | 7.897  | ng/uL  | 90       |
| 5) Pyridine                   | 3.757  | 79   | 254810   | 20.577 | ng/u1  | 99       |
| 6) Benzaldehyde               | 7.098  | 77   | 177994   | 24.232 | ng/u1  | 97       |
| 8) Phenol                     | 7.122  | 94   | 299018   | 20.655 | ng/u1  | 99       |
| 10) Bis(2-Chloroethyl)ether   | 7.375  | 93   | 243491   | 20.807 | ng/u1  | 96       |
| 12) 2-Chlorophenol            | 7.493  | 128  | 240084   | 20.709 | ng/u1  | 98       |
| 13) 2-Methylphenol            | 8.381  | 108  | 217733   | 20.325 | ng/u1  | 100      |
| 14) 2,2'-oxybis(1-Chloropr... | 8.451  | 45   | 308690m  | 20.857 | ng/u1  |          |
| 16) Acetophenone              | 8.793  | 105  | 369537   | 21.370 | ng/u1  | 97       |
| 17) N-Nitroso-di-n-propyla... | 8.757  | 70   | 183332   | 21.244 | ng/u1  | 97       |
| 18) 4-Methylphenol            | 8.716  | 108  | 242833   | 21.157 | ng/u1  | 100      |
| 19) Hexachloroethane          | 9.004  | 117  | 99219    | 20.616 | ng/u1  | 97       |
| 22) Nitrobenzene              | 9.181  | 77   | 276992   | 20.896 | ng/u1  | 97       |
| 23) Isophorone                | 9.692  | 82   | 500863   | 21.086 | ng/u1  | 99       |
| 25) 2-Nitrophenol             | 9.887  | 139  | 131933   | 21.464 | ng/u1  | 98       |
| 26) 2,4-Dimethylphenol        | 9.922  | 107  | 259838   | 21.216 | ng/u1  | 99       |
| 27) Bis(2-Chloroethoxy)met... | 10.181 | 93   | 320872   | 20.926 | ng/u1  | 97       |
| 29) 2,4-Dichlorophenol        | 10.404 | 162  | 225310   | 21.324 | ng/u1  | 99       |
| 30) Naphthalene               | 10.816 | 128  | 787838   | 20.939 | ng/u1  | 99       |
| 32) 4-Chloroaniline           | 10.951 | 127  | 316269   | 21.259 | ng/u1  | 100      |
| 33) Hexachlorobutadiene       | 11.039 | 225  | 153643   | 20.893 | ng/u1  | 98       |
| 34) Caprolactam               | 11.769 | 113  | 61538    | 20.156 | ng/u1  | 99       |
| 35) 4-Chloro-3-methylphenol   | 12.051 | 107  | 228230   | 21.489 | ng/u1  | 99       |
| 36) 2-Methylnaphthalene       | 12.422 | 142  | 518370   | 21.108 | ng/u1  | 99       |

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|-------------------------------|--------|------|----------|--------|-------|----------|
| 37) 1-Methylnaphthalene       | 12.639 | 142  | 533060   | 21.234 | ng/ul | 100      |
| 39) 1,2,4,5-Tetrachloroben... | 12.769 | 216  | 287295   | 20.650 | ng/ul | 99       |
| 40) Hexachlorocyclopentadiene | 12.716 | 237  | 145929   | 18.535 | ng/ul | 99       |
| 41) 2,4,6-Trichlorophenol     | 13.028 | 196  | 175901   | 20.844 | ng/ul | 99       |
| 42) 2,4,5-Trichlorophenol     | 13.098 | 196  | 187907   | 21.253 | ng/ul | 100      |
| 43) 1,1'-Biphenyl             | 13.433 | 154  | 681741   | 20.727 | ng/ul | 99       |
| 44) 2-Chloronaphthalene       | 13.480 | 162  | 544328   | 20.875 | ng/ul | 99       |
| 45) 2-Nitroaniline            | 13.716 | 65   | 136283   | 21.275 | ng/ul | 99       |
| 47) Dimethylphthalate         | 14.063 | 163  | 650082   | 20.781 | ng/ul | 99       |
| 48) 2,6-Dinitrotoluene        | 14.210 | 165  | 116415   | 21.425 | ng/ul | 93       |
| 50) Acenaphthylene            | 14.328 | 152  | 876386   | 20.983 | ng/ul | 100      |
| 51) 3-Nitroaniline            | 14.545 | 138  | 122748   | 20.992 | ng/ul | 99       |
| 52) Acenaphthene              | 14.663 | 153  | 572811   | 20.767 | ng/ul | 100      |
| 53) 2,4-Dinitrophenol         | 14.751 | 184  | 60868    | 17.908 | ng/ul | 97       |
| 55) 4-Nitrophenol             | 14.839 | 109  | 86171    | 20.387 | ng/ul | 97       |
| 56) Dibenzofuran              | 15.004 | 168  | 800360   | 21.188 | ng/ul | 99       |
| 57) 2,4-Dinitrotoluene        | 14.992 | 165  | 175813   | 21.967 | ng/ul | 99       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.216 | 232  | 160932   | 21.452 | ng/ul | 97       |
| 59) Diethylphthalate          | 15.416 | 149  | 637255   | 21.071 | ng/ul | 99       |
| 61) Fluorene                  | 15.651 | 166  | 649467   | 21.162 | ng/ul | 100      |
| 62) 4-Chlorophenyl-phenyle... | 15.645 | 204  | 330280   | 21.234 | ng/ul | 99       |
| 63) 4-Nitroaniline            | 15.716 | 138  | 116756   | 22.372 | ng/ul | 99       |
| 66) 4,6-Dinitro-2-methylph... | 15.745 | 198  | 112051   | 19.904 | ng/ul | 99       |
| 67) N-Nitrosodiphenylamine    | 15.869 | 169  | 530918   | 20.847 | ng/ul | 99       |
| 68) 4-Bromophenyl-phenylether | 16.551 | 248  | 192156   | 20.658 | ng/ul | 100      |
| 69) Hexachlorobenzene         | 16.633 | 284  | 225288   | 20.873 | ng/ul | 96       |
| 70) Atrazine                  | 16.827 | 200  | 186325   | 20.421 | ng/ul | 98       |
| 71) Pentachlorophenol         | 16.998 | 266  | 131619   | 19.741 | ng/ul | 99       |
| 72) Phenanthrene              | 17.416 | 178  | 1013874  | 20.907 | ng/ul | 99       |
| 74) Anthracene                | 17.510 | 178  | 1054101  | 21.447 | ng/ul | 100      |
| 75) 1,2,3,4-Tetrachloroben... | 13.386 | 216  | 289032   | 20.340 | ng/uL | 97       |
| 76) Pentachlorobenzene        | 14.892 | 250  | 277432   | 20.668 | ng/uL | 98       |
| 77) Carbazole                 | 17.798 | 167  | 919664   | 21.037 | ng/ul | 99       |
| 78) Di-n-butylphthalate       | 18.304 | 149  | 1030738  | 21.442 | ng/ul | 99       |
| 80) Fluoranthene              | 19.386 | 202  | 1197532  | 20.999 | ng/ul | 98       |
| 82) Pyrene                    | 19.739 | 202  | 1262039  | 20.817 | ng/ul | 98       |
| 83) Butylbenzylphthalate      | 20.604 | 149  | 455688   | 21.199 | ng/ul | 95       |
| 84) 3,3'-Dichlorobenzidine    | 21.404 | 252  | 406741   | 20.703 | ng/ul | 99       |
| 85) Benzo(a)anthracene        | 21.462 | 228  | 1281364  | 20.996 | ng/ul | 100      |
| 86) Bis(2-ethylhexyl)phtha... | 21.339 | 149  | 665675   | 21.444 | ng/ul | 99       |
| 87) Chrysene                  | 21.515 | 228  | 1206721  | 21.010 | ng/ul | 99       |
| 89) Di-n-octyl phthalate      | 22.298 | 149  | 1161406  | 20.556 | ng/ul | 100      |
| 90) Benzo(b)fluoranthene      | 23.215 | 252  | 1269472  | 20.963 | ng/ul | 100      |
| 91) Benzo(k)fluoranthene      | 23.268 | 252  | 1268575  | 20.763 | ng/ul | 99       |
| 93) Benzo(a)pyrene            | 23.880 | 252  | 1215089  | 20.971 | ng/ul | 99       |
| 94) Indeno(1,2,3-cd)pyrene    | 26.668 | 276  | 1494773  | 20.582 | ng/ul | 100      |
| 95) Dibenzo(a,h)anthracene    | 26.692 | 278  | 1249846  | 20.662 | ng/ul | 98       |
| 96) Benzo(g,h,i)perylene      | 27.503 | 276  | 1197196  | 20.441 | ng/ul | 99       |

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

