

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP092223\  
 Data File : BP017289.D  
 Acq On : 22 Sep 2023 16:34  
 Operator : MA/JU  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 SSTD020747

Quant Time: Sep 22 17:06:50 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP092023.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Sep 21 23:51:07 2023  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/25/2023  
 Supervised By :mohammad ahmed 09/27/2023

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.934  | 152  | 187273   | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.757 | 136  | 755543   | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.592 | 164  | 459847   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.363 | 188  | 1030872  | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.474 | 240  | 1012201  | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 23.992 | 264  | 1124726  | 20.000 | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.305  | 96   | 36485    | 8.002  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.740  | 84   | 259573   | 20.365 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 7.093  | 99   | 312375   | 20.310 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.275  | 67   | 183964   | 19.819 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.457  | 132  | 259086   | 21.239 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.652  | 113  | 247508   | 20.698 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 9.134  | 128  | 117739   | 21.556 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.846  | 143  | 129277   | 21.797 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.375 | 165  | 249010   | 22.223 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.922 | 131  | 349699   | 21.544 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 14.010 | 166  | 705676   | 21.422 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.292 | 160  | 814847   | 21.507 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.828 | 143  | 123568   | 21.531 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.592 | 176  | 614454   | 21.666 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.728 | 200  | 98987    | 17.037 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.469 | 188  | 973751   | 21.298 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.710 | 212  | 1173630  | 21.441 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.821 | 264  | 1161524  | 21.449 | ng/u1  | -0.01    |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.340  | 88   | 38076    | 8.155  | ng/uL  | 98       |
| 5) Pyridine                   | 3.758  | 79   | 263617   | 19.922 | ng/u1  | 100      |
| 6) Benzaldehyde               | 7.093  | 77   | 186292   | 23.734 | ng/u1  | 99       |
| 8) Phenol                     | 7.116  | 94   | 315878   | 20.419 | ng/u1  | 99       |
| 10) Bis(2-Chloroethyl)ether   | 7.369  | 93   | 252734   | 20.211 | ng/u1  | 97       |
| 12) 2-Chlorophenol            | 7.487  | 128  | 258374   | 20.857 | ng/u1  | 100      |
| 13) 2-Methylphenol            | 8.381  | 108  | 234969   | 20.527 | ng/u1  | 98       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.446  | 45   | 309883m  | 19.594 | ng/u1  |          |
| 16) Acetophenone              | 8.787  | 105  | 380946   | 20.616 | ng/u1  | 98       |
| 17) N-Nitroso-di-n-propyla... | 8.752  | 70   | 187916   | 20.377 | ng/u1  | 98       |
| 18) 4-Methylphenol            | 8.716  | 108  | 255779   | 20.854 | ng/u1  | 94       |
| 19) Hexachloroethane          | 8.999  | 117  | 105280   | 20.472 | ng/u1  | 96       |
| 22) Nitrobenzene              | 9.175  | 77   | 290163   | 20.936 | ng/u1  | 99       |
| 23) Isophorone                | 9.687  | 82   | 516199   | 20.784 | ng/u1  | 100      |
| 25) 2-Nitrophenol             | 9.881  | 139  | 139310   | 21.677 | ng/u1  | 97       |
| 26) 2,4-Dimethylphenol        | 9.922  | 107  | 268459   | 20.965 | ng/u1  | 98       |
| 27) Bis(2-Chloroethoxy)met... | 10.175 | 93   | 329803   | 20.571 | ng/u1  | 97       |
| 29) 2,4-Dichlorophenol        | 10.398 | 162  | 241388   | 21.850 | ng/u1  | 99       |
| 30) Naphthalene               | 10.810 | 128  | 826240   | 21.002 | ng/u1  | 100      |
| 32) 4-Chloroaniline           | 10.946 | 127  | 333857   | 21.464 | ng/u1  | 99       |
| 33) Hexachlorobutadiene       | 11.034 | 225  | 164092   | 21.342 | ng/u1  | 95       |
| 34) Caprolactam               | 11.769 | 113  | 71548    | 22.414 | ng/u1  | 93       |
| 35) 4-Chloro-3-methylphenol   | 12.051 | 107  | 248425   | 22.372 | ng/u1  | 97       |
| 36) 2-Methylnaphthalene       | 12.416 | 142  | 548544   | 21.364 | ng/u1  | 100      |

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|-------------------------------|--------|------|----------|--------|-------|----------|
| 37) 1-Methylnaphthalene       | 12.634 | 142  | 563508   | 21.469 | ng/ul | 97       |
| 39) 1,2,4,5-Tetrachloroben... | 12.763 | 216  | 309083   | 20.944 | ng/ul | 99       |
| 40) Hexachlorocyclopentadiene | 12.710 | 237  | 116898   | 13.997 | ng/ul | 94       |
| 41) 2,4,6-Trichlorophenol     | 13.022 | 196  | 199617   | 22.300 | ng/ul | 99       |
| 42) 2,4,5-Trichlorophenol     | 13.098 | 196  | 210959   | 22.494 | ng/ul | 99       |
| 43) 1,1'-Biphenyl             | 13.428 | 154  | 719246   | 20.615 | ng/ul | 99       |
| 44) 2-Chloronaphthalene       | 13.475 | 162  | 584948   | 21.148 | ng/ul | 100      |
| 45) 2-Nitroaniline            | 13.710 | 65   | 145420   | 21.402 | ng/ul | 97       |
| 47) Dimethylphthalate         | 14.057 | 163  | 704839   | 21.241 | ng/ul | 99       |
| 48) 2,6-Dinitrotoluene        | 14.204 | 165  | 129052   | 22.391 | ng/ul | 97       |
| 50) Acenaphthylene            | 14.322 | 152  | 938656   | 21.187 | ng/ul | 99       |
| 51) 3-Nitroaniline            | 14.545 | 138  | 142259   | 22.936 | ng/ul | 90       |
| 52) Acenaphthene              | 14.657 | 153  | 613997   | 20.985 | ng/ul | 98       |
| 53) 2,4-Dinitrophenol         | 14.745 | 184  | 51371    | 14.248 | ng/ul | 97       |
| 55) 4-Nitrophenol             | 14.839 | 109  | 96074    | 21.428 | ng/ul | 95       |
| 56) Dibenzofuran              | 14.998 | 168  | 855296   | 21.346 | ng/ul | 99       |
| 57) 2,4-Dinitrotoluene        | 14.986 | 165  | 195960   | 23.082 | ng/ul | 96       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.216 | 232  | 181590   | 22.819 | ng/ul | 97       |
| 59) Diethylphthalate          | 15.410 | 149  | 701940   | 21.881 | ng/ul | 99       |
| 61) Fluorene                  | 15.651 | 166  | 702067   | 21.566 | ng/ul | 99       |
| 62) 4-Chlorophenyl-phenyle... | 15.639 | 204  | 358995   | 21.758 | ng/ul | 98       |
| 63) 4-Nitroaniline            | 15.716 | 138  | 136286   | 24.619 | ng/ul | 99       |
| 66) 4,6-Dinitro-2-methylph... | 15.739 | 198  | 108538   | 17.317 | ng/ul | 100      |
| 67) N-Nitrosodiphenylamine    | 15.869 | 169  | 584138   | 20.601 | ng/ul | 99       |
| 68) 4-Bromophenyl-phenylether | 16.545 | 248  | 216809   | 20.935 | ng/ul | 100      |
| 69) Hexachlorobenzene         | 16.628 | 284  | 252216   | 20.987 | ng/ul | 95       |
| 70) Atrazine                  | 16.822 | 200  | 214341   | 21.099 | ng/ul | 97       |
| 71) Pentachlorophenol         | 16.992 | 266  | 152011   | 20.477 | ng/ul | 98       |
| 72) Phenanthrene              | 17.410 | 178  | 1130695  | 20.941 | ng/ul | 99       |
| 74) Anthracene                | 17.504 | 178  | 1154398  | 21.096 | ng/ul | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 13.381 | 216  | 313245   | 19.799 | ng/uL | 98       |
| 76) Pentachlorobenzene        | 14.886 | 250  | 298326   | 19.961 | ng/uL | 99       |
| 77) Carbazole                 | 17.792 | 167  | 1038203  | 21.330 | ng/ul | 99       |
| 78) Di-n-butylphthalate       | 18.298 | 149  | 1217316  | 22.744 | ng/ul | 99       |
| 80) Fluoranthene              | 19.380 | 202  | 1375981  | 21.555 | ng/ul | 98       |
| 82) Pyrene                    | 19.739 | 202  | 1439510  | 21.212 | ng/ul | 99       |
| 83) Butylbenzylphthalate      | 20.598 | 149  | 567113   | 23.569 | ng/ul | 94       |
| 84) 3,3'-Dichlorobenzidine    | 21.398 | 252  | 458218   | 20.836 | ng/ul | 98       |
| 85) Benzo(a)anthracene        | 21.457 | 228  | 1462912  | 21.414 | ng/ul | 99       |
| 86) Bis(2-ethylhexyl)phtha... | 21.333 | 149  | 839704   | 24.165 | ng/ul | 99       |
| 87) Chrysene                  | 21.510 | 228  | 1361497  | 21.177 | ng/ul | 99       |
| 89) Di-n-octyl phthalate      | 22.292 | 149  | 1441296  | 23.296 | ng/ul | 100      |
| 90) Benzo(b)fluoranthene      | 23.204 | 252  | 1427359  | 21.525 | ng/ul | 99       |
| 91) Benzo(k)fluoranthene      | 23.257 | 252  | 1407173  | 21.033 | ng/ul | 99       |
| 93) Benzo(a)pyrene            | 23.874 | 252  | 1348951  | 21.261 | ng/ul | 99       |
| 94) Indeno(1,2,3-cd)pyrene    | 26.656 | 276  | 1637507  | 20.591 | ng/ul | 99       |
| 95) Dibenzo(a,h)anthracene    | 26.680 | 278  | 1367775  | 20.650 | ng/ul | 98       |
| 96) Benzo(g,h,i)perylene      | 27.498 | 276  | 1319157  | 20.570 | ng/ul | 100      |

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

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