

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP112223\  
 Data File : BP018273.D  
 Acq On : 22 Nov 2023 12:45  
 Operator : MA/JU  
 Sample : SSTD08062  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 SSTD080628

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 11/23/2023  
 Supervised By :mohammad ahmed 11/23/2023

Quant Time: Nov 22 14:05:36 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP112223.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Nov 22 13:53:42 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.881  | 152  | 432627   | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.687 | 136  | 1845663  | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.516 | 164  | 1103346  | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.263 | 188  | 2099874  | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.369 | 240  | 1180519  | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 23.786 | 264  | 1399151  | 20.000 | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.275  | 96   | 343125   | 29.706 | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.687  | 84   | 2482936  | 78.220 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 7.046  | 99   | 3188264  | 80.638 | ng/u1  | 0.01     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.222  | 67   | 1835006  | 77.614 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.410  | 132  | 2525180  | 76.068 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.599  | 113  | 2549009  | 79.887 | ng/u1  | 0.01     |
| 21) Nitrobenzene-d5           | 9.052  | 128  | 1238614  | 82.623 | ng/u1  | 0.01     |
| 24) 2-Nitrophenol-d4          | 9.769  | 143  | 1278514  | 92.346 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.304 | 165  | 2569277  | 76.920 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.822 | 131  | 3415694  | 75.820 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.940 | 166  | 7021809  | 71.522 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.210 | 160  | 8057054  | 72.024 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.716 | 143  | 1110473  | 81.934 | ng/u1  | 0.02     |
| 60) Fluorene-d10              | 15.510 | 176  | 5768215  | 70.244 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.634 | 200  | 837791   | 93.722 | ng/u1  | 0.02     |
| 73) Anthracene-d10            | 17.369 | 188  | 7993165  | 71.217 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.604 | 212  | 7286689  | 77.555 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.639 | 264  | 6227197  | 76.768 | ng/u1  | 0.01     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.311  | 88   | 366164   | 29.563 | ng/uL  | 95       |
| 5) Pyridine                   | 3.711  | 79   | 2488625  | 77.809 | ng/u1  | 99       |
| 6) Benzaldehyde               | 7.022  | 77   | 1526502  | 72.959 | ng/u1  | 98       |
| 8) Phenol                     | 7.075  | 94   | 3105263  | 80.066 | ng/u1  | 100      |
| 10) Bis(2-Chloroethyl)ether   | 7.316  | 93   | 2540631  | 78.643 | ng/u1  | 99       |
| 12) 2-Chlorophenol            | 7.446  | 128  | 2511433  | 75.409 | ng/u1  | 99       |
| 13) 2-Methylphenol            | 8.328  | 108  | 2415607  | 79.964 | ng/u1  | 100      |
| 14) 2,2'-oxybis(1-Chloropr... | 8.416  | 45   | 3547767  | 77.258 | ng/u1  | 99       |
| 16) Acetophenone              | 8.716  | 105  | 3744638  | 76.696 | ng/u1  | 99       |
| 17) N-Nitroso-di-n-propyla... | 8.722  | 70   | 1826807  | 66.979 | ng/u1  | 96       |
| 18) 4-Methylphenol            | 8.669  | 108  | 2570120  | 79.671 | ng/u1  | 99       |
| 19) Hexachloroethane          | 8.963  | 117  | 1030383  | 74.085 | ng/u1  | 99       |
| 22) Nitrobenzene              | 9.093  | 77   | 2701381  | 76.917 | ng/u1  | 97       |
| 23) Isophorone                | 9.628  | 82   | 5526252  | 70.598 | ng/u1  | 99       |
| 25) 2-Nitrophenol             | 9.804  | 139  | 1371642  | 88.054 | ng/u1  | 95       |
| 26) 2,4-Dimethylphenol        | 9.863  | 107  | 2504843  | 71.621 | ng/u1  | 99       |
| 27) Bis(2-Chloroethoxy)met... | 10.110 | 93   | 3390451  | 71.718 | ng/u1  | 100      |
| 29) 2,4-Dichlorophenol        | 10.334 | 162  | 2424357  | 75.772 | ng/u1  | 99       |
| 30) Naphthalene               | 10.740 | 128  | 7976831  | 71.459 | ng/u1  | 99       |
| 32) 4-Chloroaniline           | 10.851 | 127  | 3229083  | 75.959 | ng/u1  | 100      |
| 33) Hexachlorobutadiene       | 11.028 | 225  | 1665515  | 76.323 | ng/u1  | 100      |
| 34) Caprolactam               | 11.640 | 113  | 711169m  | 77.244 | ng/u1  |          |
| 35) 4-Chloro-3-methylphenol   | 11.975 | 107  | 2493397  | 72.887 | ng/u1  | 98       |
| 36) 2-Methylnaphthalene       | 12.346 | 142  | 5538655  | 70.107 | ng/u1  | 100      |

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| 37) 1-Methylnaphthalene       | 12.563 | 142  | 5496724  | 69.121 | ng/ul  | 100      |
| 39) 1,2,4,5-Tetrachloroben... | 12.710 | 216  | 3036872  | 77.933 | ng/ul  | 99       |
| 40) Hexachlorocyclopentadiene | 12.693 | 237  | 1817687  | 82.359 | ng/ul  | 100      |
| 41) 2,4,6-Trichlorophenol     | 12.951 | 196  | 1901442  | 81.251 | ng/ul  | 98       |
| 42) 2,4,5-Trichlorophenol     | 13.022 | 196  | 2038466  | 80.554 | ng/ul  | 100      |
| 43) 1,1'-Biphenyl             | 13.357 | 154  | 7005036  | 72.868 | ng/ul  | 99       |
| 44) 2-Chloronaphthalene       | 13.398 | 162  | 5607991  | 73.706 | ng/ul  | 99       |
| 45) 2-Nitroaniline            | 13.598 | 65   | 1401917  | 85.631 | ng/ul  | 96       |
| 47) Dimethylphthalate         | 13.987 | 163  | 6810584  | 70.899 | ng/ul  | 99       |
| 48) 2,6-Dinitrotoluene        | 14.104 | 165  | 1399099  | 86.390 | ng/ul  | 91       |
| 50) Acenaphthylene            | 14.240 | 152  | 8736842  | 70.067 | ng/ul  | 99       |
| 51) 3-Nitroaniline            | 14.428 | 138  | 1291333  | 80.250 | ng/ul# | 91       |
| 52) Acenaphthene              | 14.581 | 153  | 5816424  | 71.405 | ng/ul  | 100      |
| 53) 2,4-Dinitrophenol         | 14.622 | 184  | 542582   | 96.029 | ng/ul  | 96       |
| 55) 4-Nitrophenol             | 14.734 | 109  | 790763   | 78.753 | ng/ul  | 97       |
| 56) Dibenzofuran              | 14.916 | 168  | 7808205  | 70.116 | ng/ul  | 97       |
| 57) 2,4-Dinitrotoluene        | 14.881 | 165  | 1849229  | 84.495 | ng/ul  | 96       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.139 | 232  | 1579722  | 79.488 | ng/ul  | 99       |
| 59) Diethylphthalate          | 15.357 | 149  | 6732429  | 69.769 | ng/ul  | 100      |
| 61) Fluorene                  | 15.569 | 166  | 5983712  | 65.889 | ng/ul  | 99       |
| 62) 4-Chlorophenyl-phenyle... | 15.563 | 204  | 3187086  | 69.111 | ng/ul  | 100      |
| 63) 4-Nitroaniline            | 15.592 | 138  | 1155915  | 76.117 | ng/ul  | 99       |
| 66) 4,6-Dinitro-2-methylph... | 15.645 | 198  | 919446   | 92.742 | ng/ul  | 100      |
| 67) N-Nitrosodiphenylamine    | 15.781 | 169  | 5297046  | 74.387 | ng/ul  | 99       |
| 68) 4-Bromophenyl-phenylether | 16.463 | 248  | 2114771  | 79.766 | ng/ul  | 97       |
| 69) Hexachlorobenzene         | 16.563 | 284  | 2279360  | 76.903 | ng/ul  | 97       |
| 70) Atrazine                  | 16.739 | 200  | 1635334  | 75.226 | ng/ul  | 100      |
| 71) Pentachlorophenol         | 16.910 | 266  | 1281291  | 84.134 | ng/ul  | 98       |
| 72) Phenanthrene              | 17.310 | 178  | 9079022  | 71.082 | ng/ul  | 98       |
| 74) Anthracene                | 17.404 | 178  | 8949314  | 69.414 | ng/ul  | 98       |
| 75) 1,2,3,4-Tetrachloroben... | 13.316 | 216  | 3026835  | 83.859 | ng/uL  | 98       |
| 76) Pentachlorobenzene        | 14.834 | 250  | 2824594  | 80.561 | ng/uL  | 100      |
| 77) Carbazole                 | 17.669 | 167  | 7591337  | 72.679 | ng/ul  | 99       |
| 78) Di-n-butylphthalate       | 18.239 | 149  | 9826422  | 67.635 | ng/ul  | 99       |
| 80) Fluoranthene              | 19.280 | 202  | 8786748  | 78.284 | ng/ul  | 99       |
| 82) Pyrene                    | 19.633 | 202  | 8525134  | 75.427 | ng/ul  | 100      |
| 83) Butylbenzylphthalate      | 20.522 | 149  | 3262009  | 77.988 | ng/ul  | 99       |
| 84) 3,3'-Dichlorobenzidine    | 21.286 | 252  | 2284430  | 80.008 | ng/ul  | 100      |
| 85) Benzo(a)anthracene        | 21.351 | 228  | 7036422  | 73.136 | ng/ul  | 99       |
| 86) Bis(2-ethylhexyl)phtha... | 21.304 | 149  | 4519472  | 72.019 | ng/ul  | 99       |
| 87) Chrysene                  | 21.404 | 228  | 6400165  | 73.104 | ng/ul  | 98       |
| 89) Di-n-octyl phthalate      | 22.257 | 149  | 7293121  | 70.802 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 23.051 | 252  | 7196457  | 70.812 | ng/ul  | 99       |
| 91) Benzo(k)fluoranthene      | 23.104 | 252  | 7239027  | 71.553 | ng/ul  | 100      |
| 93) Benzo(a)pyrene            | 23.692 | 252  | 7042433  | 75.352 | ng/ul  | 100      |
| 94) Indeno(1,2,3-cd)pyrene    | 26.351 | 276  | 9621865  | 89.036 | ng/ul  | 99       |
| 95) Dibenzo(a,h)anthracene    | 26.386 | 278  | 7841483  | 88.634 | ng/ul  | 99       |
| 96) Benzo(g,h,i)perylene      | 27.139 | 276  | 7823345  | 89.389 | ng/ul  | 99       |

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

