

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP101422\  
 Data File : BP012127.D  
 Acq On : 14 Oct 2022 08:57  
 Operator : CG/JU  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 SSTD020779

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 10/15/2022  
 Supervised By :mohammad ahmed 10/16/2022

Quant Time: Oct 14 23:00:48 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP101122.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Oct 12 23:03:21 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.846  | 152  | 319033   | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.652 | 136  | 1402609  | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.498 | 164  | 813231   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.257 | 188  | 1434353  | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.345 | 240  | 1315208  | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 23.769 | 264  | 1420338  | 20.000 | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.276  | 96   | 57262    | 7.077  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.693  | 84   | 408306   | 18.974 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 7.017  | 99   | 494841   | 19.286 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.181  | 67   | 287533   | 19.742 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.375  | 132  | 403348   | 19.804 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.563  | 113  | 386562   | 19.614 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 9.016  | 128  | 198224   | 20.011 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.734  | 143  | 207040   | 20.612 | ng/u1  | -0.01    |
| 28) 2,4-Dichlorophenol-d3     | 10.275 | 165  | 383326   | 19.692 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.799 | 131  | 535962   | 18.683 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.910 | 166  | 962116   | 18.681 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.187 | 160  | 1206362  | 18.942 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.710 | 143  | 159022   | 15.727 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.493 | 176  | 850082   | 18.243 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.616 | 200  | 124339   | 16.417 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.357 | 188  | 1161504  | 18.648 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.592 | 212  | 1192022  | 17.691 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.610 | 264  | 1277434  | 18.501 | ng/u1  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.311  | 88   | 59645    | 7.005  | ng/uL  | 95       |
| 5) Pyridine                   | 3.717  | 79   | 393867   | 19.102 | ng/u1  | 96       |
| 6) Benzaldehyde               | 6.987  | 77   | 277571m  | 23.057 | ng/u1  |          |
| 8) Phenol                     | 7.040  | 94   | 519521   | 19.287 | ng/u1  | 98       |
| 10) Bis(2-Chloroethyl)ether   | 7.275  | 93   | 419882   | 19.757 | ng/u1  | 99       |
| 12) 2-Chlorophenol            | 7.411  | 128  | 434072   | 19.638 | ng/u1  | 99       |
| 13) 2-Methylphenol            | 8.299  | 108  | 394209   | 19.621 | ng/u1  | 98       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.369  | 45   | 441314   | 20.259 | ng/u1  | 98       |
| 16) Acetophenone              | 8.675  | 105  | 612409   | 20.155 | ng/u1  | 99       |
| 17) N-Nitroso-di-n-propyla... | 8.664  | 70   | 281749   | 20.359 | ng/u1  | 98       |
| 18) 4-Methylphenol            | 8.622  | 108  | 430059   | 19.860 | ng/u1  | 95       |
| 19) Hexachloroethane          | 8.922  | 117  | 169397   | 19.853 | ng/u1  | 96       |
| 22) Nitrobenzene              | 9.058  | 77   | 443972   | 19.551 | ng/u1  | 97       |
| 23) Isophorone                | 9.587  | 82   | 799009   | 19.837 | ng/u1  | 99       |
| 25) 2-Nitrophenol             | 9.769  | 139  | 237858   | 20.156 | ng/u1  | 97       |
| 26) 2,4-Dimethylphenol        | 9.828  | 107  | 441588   | 19.214 | ng/u1  | 99       |
| 27) Bis(2-Chloroethoxy)met... | 10.069 | 93   | 534547   | 19.339 | ng/u1  | 99       |
| 29) 2,4-Dichlorophenol        | 10.305 | 162  | 399854   | 19.546 | ng/u1  | 99       |
| 30) Naphthalene               | 10.705 | 128  | 1383577  | 18.667 | ng/u1  | 100      |
| 32) 4-Chloroaniline           | 10.822 | 127  | 555674   | 18.788 | ng/u1  | 98       |
| 33) Hexachlorobutadiene       | 10.981 | 225  | 238479   | 18.799 | ng/u1  | 98       |
| 34) Caprolactam               | 11.616 | 113  | 95770    | 17.036 | ng/u1  | 98       |
| 35) 4-Chloro-3-methylphenol   | 11.946 | 107  | 386741   | 19.955 | ng/u1  | 97       |
| 36) 2-Methylnaphthalene       | 12.316 | 142  | 908632   | 19.038 | ng/u1  | 99       |

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| 37) 1-Methylnaphthalene       | 12.534 | 142  | 910370   | 19.047 | ng/ul  | 100      |
| 39) 1,2,4,5-Tetrachloroben... | 12.681 | 216  | 461567   | 18.567 | ng/ul  | 100      |
| 40) Hexachlorocyclopentadiene | 12.657 | 237  | 182044   | 15.077 | ng/ul  | 99       |
| 41) 2,4,6-Trichlorophenol     | 12.928 | 196  | 285083   | 19.038 | ng/ul  | 98       |
| 42) 2,4,5-Trichlorophenol     | 12.999 | 196  | 304609   | 18.717 | ng/ul  | 98       |
| 43) 1,1'-Biphenyl             | 13.328 | 154  | 1134714  | 18.483 | ng/ul  | 100      |
| 44) 2-Chloronaphthalene       | 13.369 | 162  | 912086   | 18.604 | ng/ul  | 99       |
| 45) 2-Nitroaniline            | 13.581 | 65   | 202933   | 19.404 | ng/ul  | 95       |
| 47) Dimethylphthalate         | 13.957 | 163  | 1019750  | 18.793 | ng/ul  | 100      |
| 48) 2,6-Dinitrotoluene        | 14.081 | 165  | 191161   | 19.898 | ng/ul  | 99       |
| 50) Acenaphthylene            | 14.216 | 152  | 1348138  | 18.708 | ng/ul  | 99       |
| 51) 3-Nitroaniline            | 14.410 | 138  | 201882   | 18.047 | ng/ul  | 98       |
| 52) Acenaphthene              | 14.563 | 153  | 945492   | 18.430 | ng/ul  | 99       |
| 53) 2,4-Dinitrophenol         | 14.622 | 184  | 76291    | 12.292 | ng/ul  | 97       |
| 55) 4-Nitrophenol             | 14.722 | 109  | 111858   | 16.002 | ng/ul  | 98       |
| 56) Dibenzofuran              | 14.898 | 168  | 1263705  | 18.227 | ng/ul  | 99       |
| 57) 2,4-Dinitrotoluene        | 14.869 | 165  | 264297   | 19.142 | ng/ul  | 98       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.128 | 232  | 235085   | 18.533 | ng/ul  | 95       |
| 59) Diethylphthalate          | 15.322 | 149  | 953128   | 19.179 | ng/ul  | 99       |
| 61) Fluorene                  | 15.545 | 166  | 1008852  | 18.537 | ng/ul  | 98       |
| 62) 4-Chlorophenyl-phenyle... | 15.545 | 204  | 491573   | 18.671 | ng/ul  | 97       |
| 63) 4-Nitroaniline            | 15.575 | 138  | 183314   | 17.946 | ng/ul  | 97       |
| 66) 4,6-Dinitro-2-methylph... | 15.634 | 198  | 137717   | 16.820 | ng/ul  | 96       |
| 67) N-Nitrosodiphenylamine    | 15.763 | 169  | 821419   | 19.348 | ng/ul  | 100      |
| 68) 4-Bromophenyl-phenylether | 16.440 | 248  | 270790   | 19.401 | ng/ul  | 99       |
| 69) Hexachlorobenzene         | 16.551 | 284  | 301842   | 18.632 | ng/ul  | 98       |
| 70) Atrazine                  | 16.722 | 200  | 241998   | 18.536 | ng/ul  | 99       |
| 71) Pentachlorophenol         | 16.904 | 266  | 161980   | 17.066 | ng/ul  | 99       |
| 72) Phenanthrene              | 17.298 | 178  | 1452504  | 18.621 | ng/ul  | 99       |
| 74) Anthracene                | 17.392 | 178  | 1442698  | 18.690 | ng/ul  | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 13.293 | 216  | 454839   | 19.624 | ng/ul  | 100      |
| 76) Pentachlorobenzene        | 14.816 | 250  | 442802   | 19.453 | ng/ul  | 98       |
| 77) Carbazole                 | 17.663 | 167  | 1241633  | 18.034 | ng/ul  | 100      |
| 78) Di-n-butylphthalate       | 18.210 | 149  | 1343699  | 19.667 | ng/ul  | 99       |
| 80) Fluoranthene              | 19.269 | 202  | 1478181  | 17.904 | ng/ul  | 99       |
| 82) Pyrene                    | 19.622 | 202  | 1553313  | 17.778 | ng/ul  | 97       |
| 83) Butylbenzylphthalate      | 20.492 | 149  | 528848   | 19.094 | ng/ul  | 91       |
| 84) 3,3'-Dichlorobenzidine    | 21.269 | 252  | 509630   | 17.584 | ng/ul  | 99       |
| 85) Benzo(a)anthracene        | 21.333 | 228  | 1560282  | 18.847 | ng/ul  | 100      |
| 86) Bis(2-ethylhexyl)phtha... | 21.251 | 149  | 732405   | 19.615 | ng/ul  | 99       |
| 87) Chrysene                  | 21.386 | 228  | 1468497  | 18.428 | ng/ul  | 99       |
| 89) Di-n-octyl phthalate      | 22.180 | 149  | 1283679  | 18.052 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 23.022 | 252  | 1687902  | 18.774 | ng/ul  | 98       |
| 91) Benzo(k)fluoranthene      | 23.075 | 252  | 1589630  | 17.975 | ng/ul  | 99       |
| 93) Benzo(a)pyrene            | 23.657 | 252  | 1473385  | 18.369 | ng/ul  | 98       |
| 94) Indeno(1,2,3-cd)pyrene    | 26.280 | 276  | 1790123  | 17.651 | ng/ul  | 95       |
| 95) Dibenzo(a,h)anthracene    | 26.292 | 278  | 1618295  | 17.786 | ng/ul  | 96       |
| 96) Benzo(g,h,i)perylene      | 27.051 | 276  | 1589102  | 17.378 | ng/ul# | 96       |

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

