

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP102323\  
 Data File : BP017753.D  
 Acq On : 23 Oct 2023 17:11  
 Operator : MA/JU  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 SSTD020790

Quant Time: Oct 24 05:16:08 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP101823.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Oct 19 01:32:15 2023  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/24/2023  
 Supervised By :mohammad ahmed 10/25/2023

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.893  | 152  | 129219   | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.728 | 136  | 506434   | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.592 | 164  | 330731   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.386 | 188  | 732120   | 20.000 | ng/u1  | 0.01     |
| 79) Chrysene-d12              | 21.527 | 240  | 714156   | 20.000 | ng/u1  | 0.01     |
| 88) Perylene-d12              | 24.092 | 264  | 744956   | 20.000 | ng/u1  | 0.02     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.258  | 96   | 28545    | 8.218  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.693  | 84   | 187062   | 20.569 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 7.052  | 99   | 207256   | 19.274 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.240  | 67   | 137875   | 20.762 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.410  | 132  | 180831   | 20.619 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.616  | 113  | 165739   | 19.627 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 9.099  | 128  | 81792    | 19.931 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.816  | 143  | 92438    | 20.387 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.346 | 165  | 181600   | 20.418 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.904 | 131  | 226676   | 19.474 | ng/u1  | 0.01     |
| 46) Dimethylphthalate-d6      | 14.010 | 166  | 548024   | 19.739 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.287 | 160  | 624389   | 20.166 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.839 | 143  | 66136    | 16.718 | ng/u1  | 0.01     |
| 60) Fluorene-d10              | 15.598 | 176  | 491293   | 20.471 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.745 | 200  | 87833    | 18.214 | ng/u1  | 0.01     |
| 73) Anthracene-d10            | 17.486 | 188  | 768195   | 20.533 | ng/u1  | 0.01     |
| 81) Pyrene-d10                | 19.745 | 212  | 918875   | 20.523 | ng/u1  | 0.01     |
| 92) Benzo(a)pyrene-d12        | 23.921 | 264  | 851420   | 20.520 | ng/u1  | 0.02     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.293  | 88   | 31570    | 8.569  | ng/uL  | 97       |
| 5) Pyridine                   | 3.711  | 79   | 192713   | 20.683 | ng/u1  | 95       |
| 6) Benzaldehyde               | 7.057  | 77   | 130101   | 22.491 | ng/u1  | 98       |
| 8) Phenol                     | 7.081  | 94   | 211668   | 19.964 | ng/u1  | 99       |
| 10) Bis(2-Chloroethyl)ether   | 7.334  | 93   | 178934   | 20.229 | ng/u1  | 96       |
| 12) 2-Chlorophenol            | 7.446  | 128  | 183372   | 20.817 | ng/u1  | 99       |
| 13) 2-Methylphenol            | 8.346  | 108  | 157019   | 19.624 | ng/u1  | 96       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.410  | 45   | 227789m  | 20.922 | ng/u1  |          |
| 16) Acetophenone              | 8.752  | 105  | 270985   | 20.412 | ng/u1  | 98       |
| 17) N-Nitroso-di-n-propyla... | 8.716  | 70   | 132653   | 21.066 | ng/u1  | 98       |
| 18) 4-Methylphenol            | 8.681  | 108  | 168609   | 19.843 | ng/u1  | 97       |
| 19) Hexachloroethane          | 8.951  | 117  | 82314    | 20.338 | ng/u1  | 94       |
| 22) Nitrobenzene              | 9.146  | 77   | 216226   | 21.162 | ng/u1  | 98       |
| 23) Isophorone                | 9.657  | 82   | 368312   | 20.157 | ng/u1  | 100      |
| 25) 2-Nitrophenol             | 9.851  | 139  | 99504    | 20.559 | ng/u1  | 97       |
| 26) 2,4-Dimethylphenol        | 9.893  | 107  | 194333   | 20.458 | ng/u1  | 96       |
| 27) Bis(2-Chloroethoxy)met... | 10.151 | 93   | 230390   | 20.387 | ng/u1  | 98       |
| 29) 2,4-Dichlorophenol        | 10.375 | 162  | 175490   | 20.634 | ng/u1  | 97       |
| 30) Naphthalene               | 10.775 | 128  | 593677   | 20.370 | ng/u1  | 99       |
| 32) 4-Chloroaniline           | 10.928 | 127  | 217466   | 19.510 | ng/u1  | 95       |
| 33) Hexachlorobutadiene       | 10.998 | 225  | 136894   | 19.823 | ng/u1  | 99       |
| 34) Caprolactam               | 11.763 | 113  | 36521    | 16.676 | ng/u1  | 86       |
| 35) 4-Chloro-3-methylphenol   | 12.040 | 107  | 163978   | 20.479 | ng/u1  | 98       |
| 36) 2-Methylnaphthalene       | 12.398 | 142  | 398151   | 20.224 | ng/u1  | 98       |

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| 37) 1-Methylnaphthalene       | 12.616 | 142  | 405211   | 20.126 | ng/ul | 97       |
| 39) 1,2,4,5-Tetrachloroben... | 12.751 | 216  | 239851   | 19.599 | ng/ul | 98       |
| 40) Hexachlorocyclopentadiene | 12.692 | 237  | 117197   | 16.668 | ng/ul | 98       |
| 41) 2,4,6-Trichlorophenol     | 13.010 | 196  | 144771   | 19.711 | ng/ul | 95       |
| 42) 2,4,5-Trichlorophenol     | 13.087 | 196  | 154650   | 20.366 | ng/ul | 97       |
| 43) 1,1'-Biphenyl             | 13.416 | 154  | 548623   | 20.135 | ng/ul | 98       |
| 44) 2-Chloronaphthalene       | 13.469 | 162  | 440084   | 19.980 | ng/ul | 99       |
| 45) 2-Nitroaniline            | 13.716 | 65   | 100240   | 20.027 | ng/ul | 98       |
| 47) Dimethylphthalate         | 14.057 | 163  | 543192   | 19.851 | ng/ul | 100      |
| 48) 2,6-Dinitrotoluene        | 14.210 | 165  | 99877    | 19.831 | ng/ul | 98       |
| 50) Acenaphthylene            | 14.316 | 152  | 705444   | 20.340 | ng/ul | 99       |
| 51) 3-Nitroaniline            | 14.557 | 138  | 88528    | 18.481 | ng/ul | 92       |
| 52) Acenaphthene              | 14.657 | 153  | 472353   | 20.146 | ng/ul | 98       |
| 53) 2,4-Dinitrophenol         | 14.769 | 184  | 41092    | 14.534 | ng/ul | 98       |
| 55) 4-Nitrophenol             | 14.851 | 109  | 75220m   | 17.962 | ng/ul |          |
| 56) Dibenzofuran              | 14.998 | 168  | 680561   | 20.674 | ng/ul | 99       |
| 57) 2,4-Dinitrotoluene        | 15.004 | 165  | 152484   | 20.514 | ng/ul | 93       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.222 | 232  | 135364   | 20.088 | ng/ul | 94       |
| 59) Diethylphthalate          | 15.422 | 149  | 534850   | 20.245 | ng/ul | 99       |
| 61) Fluorene                  | 15.657 | 166  | 556503   | 20.581 | ng/ul | 99       |
| 62) 4-Chlorophenyl-phenyle... | 15.645 | 204  | 294302   | 20.477 | ng/ul | 98       |
| 63) 4-Nitroaniline            | 15.733 | 138  | 80772    | 18.695 | ng/ul | 99       |
| 66) 4,6-Dinitro-2-methylph... | 15.757 | 198  | 95589    | 18.506 | ng/ul | 95       |
| 67) N-Nitrosodiphenylamine    | 15.881 | 169  | 457837   | 20.642 | ng/ul | 98       |
| 68) 4-Bromophenyl-phenylether | 16.557 | 248  | 169779   | 19.820 | ng/ul | 94       |
| 69) Hexachlorobenzene         | 16.639 | 284  | 196795   | 20.011 | ng/ul | 98       |
| 70) Atrazine                  | 16.845 | 200  | 152487   | 18.706 | ng/ul | 100      |
| 71) Pentachlorophenol         | 17.010 | 266  | 106004   | 17.929 | ng/ul | 99       |
| 72) Phenanthrene              | 17.428 | 178  | 886027   | 20.659 | ng/ul | 99       |
| 74) Anthracene                | 17.522 | 178  | 887216   | 20.425 | ng/ul | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 13.369 | 216  | 240155   | 19.550 | ng/uL | 98       |
| 76) Pentachlorobenzene        | 14.886 | 250  | 237000   | 19.907 | ng/uL | 97       |
| 77) Carbazole                 | 17.816 | 167  | 741297   | 20.192 | ng/ul | 100      |
| 78) Di-n-butylphthalate       | 18.327 | 149  | 860857   | 20.198 | ng/ul | 100      |
| 80) Fluoranthene              | 19.416 | 202  | 1041280  | 20.242 | ng/ul | 99       |
| 82) Pyrene                    | 19.774 | 202  | 1110312  | 20.372 | ng/ul | 99       |
| 83) Butylbenzylphthalate      | 20.645 | 149  | 357655   | 19.080 | ng/ul | 98       |
| 84) 3,3'-Dichlorobenzidine    | 21.457 | 252  | 293834   | 18.211 | ng/ul | 99       |
| 85) Benzo(a)anthracene        | 21.510 | 228  | 1103275  | 20.321 | ng/ul | 98       |
| 86) Bis(2-ethylhexyl)phtha... | 21.392 | 149  | 491492   | 18.783 | ng/ul | 100      |
| 87) Chrysene                  | 21.568 | 228  | 1040216  | 20.261 | ng/ul | 100      |
| 89) Di-n-octyl phthalate      | 22.374 | 149  | 844666   | 17.900 | ng/ul | 100      |
| 90) Benzo(b)fluoranthene      | 23.292 | 252  | 1031704  | 20.349 | ng/ul | 99       |
| 91) Benzo(k)fluoranthene      | 23.345 | 252  | 1084564  | 21.107 | ng/ul | 99       |
| 93) Benzo(a)pyrene            | 23.974 | 252  | 1000009  | 21.010 | ng/ul | 100      |
| 94) Indeno(1,2,3-cd)pyrene    | 26.809 | 276  | 1170483  | 20.634 | ng/ul | 99       |
| 95) Dibenzo(a,h)anthracene    | 26.839 | 278  | 971398   | 20.523 | ng/ul | 100      |
| 96) Benzo(g,h,i)perylene      | 27.656 | 276  | 933758   | 20.430 | ng/ul | 98       |

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

