

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP080624\  
 Data File : BP021438.D  
 Acq On : 08 Aug 2024 05:39  
 Operator : CG/JU  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 30 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 SSTD020734

Quant Time: Aug 08 06:39:33 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP071024.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Jul 29 12:46:18 2024  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/08/2024  
 Supervised By :mohammad ahmed 08/09/2024

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.605  | 152  | 138659   | 20.000 | ng/u1  | -0.03    |
| 20) Naphthalene-d8            | 10.375 | 136  | 663623   | 20.000 | ng/u1  | -0.02    |
| 38) Acenaphthene-d10          | 14.246 | 164  | 442646   | 20.000 | ng/u1  | -0.02    |
| 64) Phenanthrene-d10          | 17.063 | 188  | 877829   | 20.000 | ng/u1  | -0.03    |
| 79) Chrysene-d12              | 21.504 | 240  | 1035297  | 20.000 | ng/u1  | -0.03    |
| 88) Perylene-d12              | 24.792 | 264  | 1190662  | 20.000 | ng/u1  | -0.04    |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.152  | 96   | 28998    | 9.517  | ng/uL  | -0.02    |
| 4) Pyridine-d5                | 3.575  | 84   | 174081   | 19.734 | ng/u1  | -0.02    |
| 7) Phenol-d5                  | 6.834  | 99   | 243422   | 21.533 | ng/u1  | -0.01    |
| 9) Bis-(2-Chloroethyl)eth...  | 6.964  | 67   | 151998   | 22.187 | ng/u1  | -0.02    |
| 11) 2-Chlorophenol-d4         | 7.158  | 132  | 190790   | 20.484 | ng/u1  | -0.02    |
| 15) 4-Methylphenol-d8         | 8.352  | 113  | 165288   | 17.605 | ng/u1  | -0.01    |
| 21) Nitrobenzene-d5           | 8.775  | 128  | 99822    | 19.366 | ng/u1  | -0.02    |
| 24) 2-Nitrophenol-d4          | 9.487  | 143  | 110451   | 18.722 | ng/u1  | -0.02    |
| 28) 2,4-Dichlorophenol-d3     | 10.052 | 165  | 198677   | 18.624 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.552 | 131  | 278003   | 19.671 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.669 | 166  | 611932   | 19.017 | ng/u1  | -0.01    |
| 49) Acenaphthylene-d8         | 13.940 | 160  | 718214   | 19.878 | ng/u1  | -0.02    |
| 54) 4-Nitrophenol-d4          | 14.587 | 143  | 113267   | 24.740 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.269 | 176  | 498907   | 18.899 | ng/u1  | -0.02    |
| 65) 4,6-Dinitro-2-methylph... | 15.451 | 200  | 91264    | 17.183 | ng/u1  | -0.01    |
| 73) Anthracene-d10            | 17.181 | 188  | 780641   | 20.022 | ng/u1  | -0.01    |
| 81) Pyrene-d10                | 19.557 | 212  | 1087491  | 16.990 | ng/u1  | -0.02    |
| 92) Benzo(a)pyrene-d12        | 24.551 | 264  | 1153259  | 19.639 | ng/u1  | -0.05    |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.181  | 88   | 31946    | 9.533  | ng/uL  | 97       |
| 5) Pyridine                   | 3.593  | 79   | 174059   | 19.130 | ng/u1  | 94       |
| 6) Benzaldehyde               | 6.793  | 77   | 154149m  | 27.048 | ng/u1  |          |
| 8) Phenol                     | 6.858  | 94   | 254515   | 22.250 | ng/u1  | 98       |
| 10) Bis(2-Chloroethyl)ether   | 7.052  | 93   | 201401   | 21.313 | ng/u1  | 95       |
| 12) 2-Chlorophenol            | 7.187  | 128  | 191331   | 20.496 | ng/u1  | 99       |
| 13) 2-Methylphenol            | 8.087  | 108  | 164433   | 18.587 | ng/u1  | 99       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.122  | 45   | 235963   | 17.284 | ng/u1# | 88       |
| 16) Acetophenone              | 8.446  | 105  | 293987   | 20.288 | ng/u1  | 89       |
| 17) N-Nitroso-di-n-propyla... | 8.411  | 70   | 136274   | 17.948 | ng/u1  | 98       |
| 18) 4-Methylphenol            | 8.428  | 108  | 188737   | 19.914 | ng/u1  | 99       |
| 19) Hexachloroethane          | 8.640  | 117  | 89475    | 21.330 | ng/u1  | 97       |
| 22) Nitrobenzene              | 8.822  | 77   | 248842   | 20.153 | ng/u1  | 98       |
| 23) Isophorone                | 9.328  | 82   | 452986   | 18.454 | ng/u1  | 98       |
| 25) 2-Nitrophenol             | 9.522  | 139  | 116882   | 18.996 | ng/u1  | 98       |
| 26) 2,4-Dimethylphenol        | 9.593  | 107  | 235830   | 19.437 | ng/u1  | 99       |
| 27) Bis(2-Chloroethoxy)met... | 9.799  | 93   | 277283   | 18.584 | ng/u1  | 99       |
| 29) 2,4-Dichlorophenol        | 10.075 | 162  | 196089   | 18.651 | ng/u1  | 98       |
| 30) Naphthalene               | 10.422 | 128  | 690478   | 19.780 | ng/u1  | 100      |
| 32) 4-Chloroaniline           | 10.575 | 127  | 274269   | 20.324 | ng/u1  | 99       |
| 33) Hexachlorobutadiene       | 10.681 | 225  | 145948   | 18.514 | ng/u1  | 95       |
| 34) Caprolactam               | 11.416 | 113  | 63795m   | 19.698 | ng/u1  |          |
| 35) 4-Chloro-3-methylphenol   | 11.734 | 107  | 228085   | 19.959 | ng/u1  | 99       |
| 36) 2-Methylnaphthalene       | 12.034 | 142  | 464476   | 19.384 | ng/u1  | 98       |

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| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 37) 1-Methylnaphthalene       | 12.263 | 142  | 478622   | 19.421 | ng/ul  | 100      |
| 39) 1,2,4,5-Tetrachloroben... | 12.410 | 216  | 273269   | 19.010 | ng/ul  | 97       |
| 40) Hexachlorocyclopentadiene | 12.357 | 237  | 99725    | 13.261 | ng/ul  | 98       |
| 41) 2,4,6-Trichlorophenol     | 12.693 | 196  | 163107   | 17.956 | ng/ul  | 100      |
| 42) 2,4,5-Trichlorophenol     | 12.799 | 196  | 172443   | 17.943 | ng/ul  | 98       |
| 43) 1,1'-Biphenyl             | 13.063 | 154  | 610843   | 18.883 | ng/ul  | 98       |
| 44) 2-Chloronaphthalene       | 13.110 | 162  | 496059   | 19.208 | ng/ul  | 99       |
| 45) 2-Nitroaniline            | 13.375 | 65   | 151898   | 21.269 | ng/ul  | 90       |
| 47) Dimethylphthalate         | 13.722 | 163  | 626106   | 19.176 | ng/ul  | 100      |
| 48) 2,6-Dinitrotoluene        | 13.863 | 165  | 124480   | 19.070 | ng/ul  | 92       |
| 50) Acenaphthylene            | 13.969 | 152  | 811775   | 19.843 | ng/ul  | 100      |
| 51) 3-Nitroaniline            | 14.228 | 138  | 124083   | 21.844 | ng/ul# | 99       |
| 52) Acenaphthene              | 14.310 | 153  | 538253   | 19.824 | ng/ul  | 99       |
| 53) 2,4-Dinitrophenol         | 14.481 | 184  | 64569    | 18.836 | ng/ul  | 94       |
| 55) 4-Nitrophenol             | 14.604 | 109  | 101057   | 27.136 | ng/ul  | 97       |
| 56) Dibenzofuran              | 14.663 | 168  | 752415   | 20.236 | ng/ul  | 99       |
| 57) 2,4-Dinitrotoluene        | 14.693 | 165  | 196351   | 21.912 | ng/ul  | 94       |
| 58) 2,3,4,6-Tetrachlorophenol | 14.922 | 232  | 162273   | 19.718 | ng/ul  | 99       |
| 59) Diethylphthalate          | 15.093 | 149  | 625544   | 19.171 | ng/ul  | 99       |
| 61) Fluorene                  | 15.328 | 166  | 571133   | 18.823 | ng/ul  | 99       |
| 62) 4-Chlorophenyl-phenyle... | 15.322 | 204  | 296534   | 18.011 | ng/ul  | 97       |
| 63) 4-Nitroaniline            | 15.416 | 138  | 109623   | 23.304 | ng/ul  | 92       |
| 66) 4,6-Dinitro-2-methylph... | 15.469 | 198  | 99360    | 17.640 | ng/ul  | 96       |
| 67) N-Nitrosodiphenylamine    | 15.545 | 169  | 485193   | 18.981 | ng/ul  | 99       |
| 68) 4-Bromophenyl-phenylether | 16.228 | 248  | 188432   | 18.314 | ng/ul  | 98       |
| 69) Hexachlorobenzene         | 16.351 | 284  | 233607   | 19.801 | ng/ul  | 94       |
| 70) Atrazine                  | 16.534 | 200  | 174838   | 18.767 | ng/ul  | 100      |
| 71) Pentachlorophenol         | 16.740 | 266  | 102173   | 15.946 | ng/ul  | 97       |
| 72) Phenanthrene              | 17.110 | 178  | 910576   | 19.996 | ng/ul  | 99       |
| 74) Anthracene                | 17.222 | 178  | 933360   | 20.105 | ng/ul  | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 13.034 | 216  | 268627   | 19.119 | ng/ul  | 99       |
| 76) Pentachlorobenzene        | 14.581 | 250  | 274007   | 19.626 | ng/ul  | 99       |
| 77) Carbazole                 | 17.510 | 167  | 814249   | 21.455 | ng/ul  | 100      |
| 78) Di-n-butylphthalate       | 18.069 | 149  | 920925   | 17.589 | ng/ul  | 99       |
| 80) Fluoranthene              | 19.216 | 202  | 1144553  | 14.807 | ng/ul  | 100      |
| 82) Pyrene                    | 19.592 | 202  | 1331178  | 16.924 | ng/ul  | 98       |
| 83) Butylbenzylphthalate      | 20.528 | 149  | 512426   | 15.636 | ng/ul  | 97       |
| 84) 3,3'-Dichlorobenzidine    | 21.422 | 252  | 436180   | 18.438 | ng/ul  | 100      |
| 85) Benzo(a)anthracene        | 21.486 | 228  | 1389729  | 19.163 | ng/ul  | 100      |
| 86) Bis(2-ethylhexyl)phtha... | 21.392 | 149  | 704048   | 14.928 | ng/ul  | 99       |
| 87) Chrysene                  | 21.557 | 228  | 1297647  | 19.256 | ng/ul  | 100      |
| 89) Di-n-octyl phthalate      | 22.616 | 149  | 1228551  | 15.619 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 23.739 | 252  | 1391447  | 19.257 | ng/ul  | 99       |
| 91) Benzo(k)fluoranthene      | 23.816 | 252  | 1416588  | 19.645 | ng/ul  | 99       |
| 93) Benzo(a)pyrene            | 24.627 | 252  | 1331479  | 19.500 | ng/ul  | 99       |
| 94) Indeno(1,2,3-cd)pyrene    | 28.527 | 276  | 1626912  | 18.491 | ng/ul  | 96       |
| 95) Dibenzo(a,h)anthracene    | 28.574 | 278  | 1351541  | 18.550 | ng/ul  | 99       |
| 96) Benzo(g,h,i)perylene      | 29.721 | 276  | 1277738  | 17.832 | ng/ul  | 98       |

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

