



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP071524\  
 Data File : BP020962.D  
 Acq On : 15 Jul 2024 17:24  
 Operator : MA/JU  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 SSTD020687

Quant Time: Jul 15 18:06:53 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP071024.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Jul 15 12:22:22 2024  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Yogesh Patel 07/16/2024  
 Supervised By :mohammad ahmed 07/18/2024

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.687  | 152  | 164669   | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.457 | 136  | 644431   | 20.000 | ng/u1  | 0.01     |
| 38) Acenaphthene-d10          | 14.310 | 164  | 380532   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.127 | 188  | 718001   | 20.000 | ng/u1  | 0.01     |
| 79) Chrysene-d12              | 21.563 | 240  | 674025   | 20.000 | ng/u1  | 0.01     |
| 88) Perylene-d12              | 24.868 | 264  | 838028   | 20.000 | ng/u1  | 0.04     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.240  | 96   | 29969    | 8.282  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.658  | 84   | 205747   | 19.639 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 6.893  | 99   | 261784   | 19.500 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.040  | 67   | 163186   | 20.058 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.240  | 132  | 224869   | 20.330 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.404  | 113  | 215249   | 19.305 | ng/u1  | 0.01     |
| 21) Nitrobenzene-d5           | 8.846  | 128  | 106307   | 21.239 | ng/u1  | 0.02     |
| 24) 2-Nitrophenol-d4          | 9.551  | 143  | 122498   | 21.382 | ng/u1  | 0.01     |
| 28) 2,4-Dichlorophenol-d3     | 10.093 | 165  | 215251   | 20.779 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.598 | 131  | 282146   | 20.559 | ng/u1  | 0.01     |
| 46) Dimethylphthalate-d6      | 13.716 | 166  | 564172   | 20.395 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 13.998 | 160  | 669993   | 21.570 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.575 | 143  | 62097    | 15.777 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.322 | 176  | 479169   | 21.114 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.469 | 200  | 81357    | 18.727 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.222 | 188  | 687063   | 21.545 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.604 | 212  | 756484   | 18.154 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.621 | 264  | 890936   | 21.556 | ng/u1  | 0.02     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.275  | 88   | 33718    | 8.472  | ng/uL  | 98       |
| 5) Pyridine                   | 3.675  | 79   | 220872   | 20.441 | ng/u1  | 99       |
| 6) Benzaldehyde               | 6.863  | 77   | 162129   | 23.955 | ng/u1  | 99       |
| 8) Phenol                     | 6.916  | 94   | 266510   | 19.618 | ng/u1  | 97       |
| 10) Bis(2-Chloroethyl)ether   | 7.134  | 93   | 224365   | 19.993 | ng/u1  | 99       |
| 12) 2-Chlorophenol            | 7.269  | 128  | 223357   | 20.148 | ng/u1  | 98       |
| 13) 2-Methylphenol            | 8.151  | 108  | 206877   | 19.691 | ng/u1  | 99       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.210  | 45   | 323548   | 19.956 | ng/u1  | 98       |
| 16) Acetophenone              | 8.516  | 105  | 333142   | 19.358 | ng/u1  | 100      |
| 17) N-Nitroso-di-n-propyla... | 8.487  | 70   | 167224   | 18.546 | ng/u1  | 99       |
| 18) 4-Methylphenol            | 8.475  | 108  | 219121   | 19.468 | ng/u1  | 99       |
| 19) Hexachloroethane          | 8.746  | 117  | 99691    | 20.011 | ng/u1  | 98       |
| 22) Nitrobenzene              | 8.893  | 77   | 256713   | 21.410 | ng/u1  | 98       |
| 23) Isophorone                | 9.404  | 82   | 457402   | 19.189 | ng/u1  | 100      |
| 25) 2-Nitrophenol             | 9.587  | 139  | 126396   | 21.154 | ng/u1  | 97       |
| 26) 2,4-Dimethylphenol        | 9.657  | 107  | 244450   | 20.747 | ng/u1  | 99       |
| 27) Bis(2-Chloroethoxy)met... | 9.869  | 93   | 288720   | 19.927 | ng/u1  | 98       |
| 29) 2,4-Dichlorophenol        | 10.122 | 162  | 210138   | 20.583 | ng/u1  | 99       |
| 30) Naphthalene               | 10.504 | 128  | 718847   | 21.206 | ng/u1  | 99       |
| 32) 4-Chloroaniline           | 10.628 | 127  | 267700   | 20.428 | ng/u1  | 99       |
| 33) Hexachlorobutadiene       | 10.775 | 225  | 161807   | 21.137 | ng/u1  | 98       |
| 34) Caprolactam               | 11.440 | 113  | 56517m   | 17.970 | ng/u1  |          |
| 35) 4-Chloro-3-methylphenol   | 11.763 | 107  | 216391   | 19.499 | ng/u1  | 97       |
| 36) 2-Methylnaphthalene       | 12.110 | 142  | 467111   | 20.075 | ng/u1  | 99       |

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Manual Integrations  
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 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Jul 15 12:22:22 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 37) 1-Methylnaphthalene       | 12.339 | 142  | 486636   | 20.335 | ng/ul | 99       |
| 39) 1,2,4,5-Tetrachloroben... | 12.481 | 216  | 278488   | 22.535 | ng/ul | 96       |
| 40) Hexachlorocyclopentadiene | 12.445 | 237  | 109309   | 16.908 | ng/ul | 99       |
| 41) 2,4,6-Trichlorophenol     | 12.739 | 196  | 167764   | 21.484 | ng/ul | 97       |
| 42) 2,4,5-Trichlorophenol     | 12.822 | 196  | 173465   | 20.995 | ng/ul | 99       |
| 43) 1,1'-Biphenyl             | 13.134 | 154  | 608437   | 21.878 | ng/ul | 99       |
| 44) 2-Chloronaphthalene       | 13.181 | 162  | 486838   | 21.929 | ng/ul | 98       |
| 45) 2-Nitroaniline            | 13.410 | 65   | 127812   | 20.818 | ng/ul | 95       |
| 47) Dimethylphthalate         | 13.769 | 163  | 570183   | 20.314 | ng/ul | 99       |
| 48) 2,6-Dinitrotoluene        | 13.904 | 165  | 111314   | 19.836 | ng/ul | 99       |
| 50) Acenaphthylene            | 14.028 | 152  | 753615   | 21.429 | ng/ul | 100      |
| 51) 3-Nitroaniline            | 14.251 | 138  | 105709   | 21.647 | ng/ul | 89       |
| 52) Acenaphthene              | 14.369 | 153  | 502615   | 21.533 | ng/ul | 98       |
| 53) 2,4-Dinitrophenol         | 14.469 | 184  | 40872    | 13.869 | ng/ul | 94       |
| 55) 4-Nitrophenol             | 14.592 | 109  | 50274    | 15.703 | ng/ul | 94       |
| 56) Dibenzofuran              | 14.716 | 168  | 677946   | 21.209 | ng/ul | 99       |
| 57) 2,4-Dinitrotoluene        | 14.704 | 165  | 157163   | 20.402 | ng/ul | 93       |
| 58) 2,3,4,6-Tetrachlorophenol | 14.963 | 232  | 141706   | 20.029 | ng/ul | 98       |
| 59) Diethylphthalate          | 15.151 | 149  | 541666   | 19.310 | ng/ul | 99       |
| 61) Fluorene                  | 15.381 | 166  | 543321   | 20.830 | ng/ul | 100      |
| 62) 4-Chlorophenyl-phenyle... | 15.381 | 204  | 285766   | 20.190 | ng/ul | 97       |
| 63) 4-Nitroaniline            | 15.428 | 138  | 92388    | 22.846 | ng/ul | 97       |
| 66) 4,6-Dinitro-2-methylph... | 15.486 | 198  | 86812    | 18.844 | ng/ul | 98       |
| 67) N-Nitrosodiphenylamine    | 15.610 | 169  | 447369   | 21.397 | ng/ul | 99       |
| 68) 4-Bromophenyl-phenylether | 16.292 | 248  | 175820   | 20.892 | ng/ul | 97       |
| 69) Hexachlorobenzene         | 16.404 | 284  | 204533   | 21.196 | ng/ul | 97       |
| 70) Atrazine                  | 16.586 | 200  | 159538   | 20.937 | ng/ul | 97       |
| 71) Pentachlorophenol         | 16.769 | 266  | 83959m   | 16.020 | ng/ul |          |
| 72) Phenanthrene              | 17.169 | 178  | 801357   | 21.515 | ng/ul | 100      |
| 74) Anthracene                | 17.257 | 178  | 822904   | 21.671 | ng/ul | 100      |
| 75) 1,2,3,4-Tetrachloroben... | 13.104 | 216  | 268495   | 23.364 | ng/uL | 97       |
| 76) Pentachlorobenzene        | 14.634 | 250  | 257903   | 22.585 | ng/uL | 99       |
| 77) Carbazole                 | 17.557 | 167  | 679395   | 21.887 | ng/ul | 99       |
| 78) Di-n-butylphthalate       | 18.122 | 149  | 857864   | 20.031 | ng/ul | 100      |
| 80) Fluoranthene              | 19.263 | 202  | 895378   | 17.792 | ng/ul | 100      |
| 82) Pyrene                    | 19.639 | 202  | 934901   | 18.256 | ng/ul | 99       |
| 83) Butylbenzylphthalate      | 20.586 | 149  | 386344   | 18.108 | ng/ul | 97       |
| 84) 3,3'-Dichlorobenzidine    | 21.468 | 252  | 340241   | 22.091 | ng/ul | 99       |
| 85) Benzo(a)anthracene        | 21.545 | 228  | 984673   | 20.855 | ng/ul | 100      |
| 86) Bis(2-ethylhexyl)phtha... | 21.463 | 149  | 560414   | 18.252 | ng/ul | 99       |
| 87) Chrysene                  | 21.604 | 228  | 934780   | 21.306 | ng/ul | 99       |
| 89) Di-n-octyl phthalate      | 22.710 | 149  | 1014636  | 18.328 | ng/ul | 100      |
| 90) Benzo(b)fluoranthene      | 23.804 | 252  | 1050616  | 20.659 | ng/ul | 99       |
| 91) Benzo(k)fluoranthene      | 23.874 | 252  | 1068047  | 21.044 | ng/ul | 99       |
| 93) Benzo(a)pyrene            | 24.692 | 252  | 1011846  | 21.055 | ng/ul | 99       |
| 94) Indeno(1,2,3-cd)pyrene    | 28.603 | 276  | 1299550m | 20.985 | ng/ul |          |
| 95) Dibenzo(a,h)anthracene    | 28.674 | 278  | 1080950  | 21.079 | ng/ul | 99       |
| 96) Benzo(g,h,i)perylene      | 29.756 | 276  | 1047492  | 20.770 | ng/ul | 98       |

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