

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP110723\  
 Data File : BP017945.D  
 Acq On : 08 Nov 2023 03:20  
 Operator : MA/JU  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 SSTD020659

Quant Time: Nov 08 03:53:55 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP110623.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Nov 07 03:40:56 2023  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/09/2023  
 Supervised By :mohammad ahmed 11/11/2023

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.858  | 152  | 106346   | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.669 | 136  | 453445   | 20.000 | ng/u1  | -0.01    |
| 38) Acenaphthene-d10          | 14.516 | 164  | 288534   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.292 | 188  | 628509   | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.410 | 240  | 571285   | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 23.892 | 264  | 607923   | 20.000 | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.240  | 96   | 21810    | 7.849  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.675  | 84   | 146054   | 18.940 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 7.022  | 99   | 187544   | 18.806 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.205  | 67   | 120830   | 20.086 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.375  | 132  | 149360   | 19.491 | ng/u1  | -0.01    |
| 15) 4-Methylphenol-d8         | 8.575  | 113  | 157616   | 19.122 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 9.057  | 128  | 75691    | 20.888 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.769  | 143  | 87844    | 21.047 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.293 | 165  | 157556   | 20.592 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.846 | 131  | 213629   | 19.267 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.940 | 166  | 489475   | 19.347 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.216 | 160  | 543187   | 19.566 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.769 | 143  | 68877    | 17.706 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.516 | 176  | 405481   | 19.148 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.669 | 200  | 79834    | 17.369 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.392 | 188  | 630768   | 19.302 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.639 | 212  | 732259   | 20.192 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.727 | 264  | 663305   | 19.527 | ng/u1  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.281  | 88   | 22917    | 7.553  | ng/uL  | 96       |
| 5) Pyridine                   | 3.699  | 79   | 153673   | 19.167 | ng/u1  | 99       |
| 6) Benzaldehyde               | 7.022  | 77   | 122889   | 22.155 | ng/u1  | 95       |
| 8) Phenol                     | 7.052  | 94   | 184938   | 18.851 | ng/u1  | 94       |
| 10) Bis(2-Chloroethyl)ether   | 7.299  | 93   | 155399   | 19.778 | ng/u1  | 96       |
| 12) 2-Chlorophenol            | 7.411  | 128  | 152875   | 20.088 | ng/u1  | 99       |
| 13) 2-Methylphenol            | 8.305  | 108  | 143524   | 19.030 | ng/u1  | 99       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.369  | 45   | 186418m  | 20.608 | ng/u1  |          |
| 16) Acetophenone              | 8.710  | 105  | 252452   | 19.085 | ng/u1  | 98       |
| 17) N-Nitroso-di-n-propyla... | 8.675  | 70   | 136601   | 19.732 | ng/u1  | 99       |
| 18) 4-Methylphenol            | 8.640  | 108  | 156863   | 19.334 | ng/u1  | 94       |
| 19) Hexachloroethane          | 8.910  | 117  | 74868    | 19.694 | ng/u1  | 94       |
| 22) Nitrobenzene              | 9.105  | 77   | 211934   | 21.444 | ng/u1  | 97       |
| 23) Isophorone                | 9.610  | 82   | 372933   | 20.750 | ng/u1  | 99       |
| 25) 2-Nitrophenol             | 9.805  | 139  | 90974    | 21.062 | ng/u1  | 97       |
| 26) 2,4-Dimethylphenol        | 9.846  | 107  | 191247   | 20.965 | ng/u1  | 98       |
| 27) Bis(2-Chloroethoxy)met... | 10.099 | 93   | 215390   | 21.787 | ng/u1  | 98       |
| 29) 2,4-Dichlorophenol        | 10.322 | 162  | 149382   | 20.188 | ng/u1  | 91       |
| 30) Naphthalene               | 10.722 | 128  | 511051   | 19.419 | ng/u1  | 99       |
| 32) 4-Chloroaniline           | 10.869 | 127  | 200165   | 18.797 | ng/u1  | 99       |
| 33) Hexachlorobutadiene       | 10.940 | 225  | 107978   | 17.538 | ng/u1  | 96       |
| 34) Caprolactam               | 11.704 | 113  | 44982m   | 19.074 | ng/u1  |          |
| 35) 4-Chloro-3-methylphenol   | 11.981 | 107  | 172021   | 20.081 | ng/u1  | 96       |
| 36) 2-Methylnaphthalene       | 12.334 | 142  | 351608   | 19.580 | ng/u1  | 100      |

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|-------------------------------|--------|------|----------|--------|--------|----------|
| 37) 1-Methylnaphthalene       | 12.551 | 142  | 359126   | 19.358 | ng/ul  | 97       |
| 39) 1,2,4,5-Tetrachloroben... | 12.687 | 216  | 184530   | 18.463 | ng/ul  | 98       |
| 40) Hexachlorocyclopentadiene | 12.622 | 237  | 84308    | 15.840 | ng/ul  | 96       |
| 41) 2,4,6-Trichlorophenol     | 12.946 | 196  | 123436   | 19.536 | ng/ul  | 94       |
| 42) 2,4,5-Trichlorophenol     | 13.028 | 196  | 131239   | 20.171 | ng/ul  | 99       |
| 43) 1,1'-Biphenyl             | 13.351 | 154  | 469119   | 19.937 | ng/ul  | 98       |
| 44) 2-Chloronaphthalene       | 13.398 | 162  | 373415   | 19.921 | ng/ul  | 97       |
| 45) 2-Nitroaniline            | 13.651 | 65   | 120898   | 21.540 | ng/ul  | 98       |
| 47) Dimethylphthalate         | 13.987 | 163  | 486903   | 19.515 | ng/ul  | 100      |
| 48) 2,6-Dinitrotoluene        | 14.140 | 165  | 97239    | 19.636 | ng/ul  | 96       |
| 50) Acenaphthylene            | 14.245 | 152  | 618775   | 19.914 | ng/ul  | 99       |
| 51) 3-Nitroaniline            | 14.487 | 138  | 94701    | 20.301 | ng/ul  | 92       |
| 52) Acenaphthene              | 14.581 | 153  | 407895   | 19.807 | ng/ul  | 98       |
| 53) 2,4-Dinitrophenol         | 14.698 | 184  | 41558    | 14.257 | ng/ul  | 90       |
| 55) 4-Nitrophenol             | 14.781 | 109  | 92935    | 18.414 | ng/ul  | 91       |
| 56) Dibenzofuran              | 14.922 | 168  | 558268   | 19.625 | ng/ul  | 97       |
| 57) 2,4-Dinitrotoluene        | 14.934 | 165  | 143139   | 19.342 | ng/ul# | 94       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.145 | 232  | 111448   | 18.381 | ng/ul  | 92       |
| 59) Diethylphthalate          | 15.340 | 149  | 509202   | 19.587 | ng/ul  | 100      |
| 61) Fluorene                  | 15.575 | 166  | 463792   | 19.256 | ng/ul  | 97       |
| 62) 4-Chlorophenyl-phenyle... | 15.563 | 204  | 229075   | 18.378 | ng/ul  | 97       |
| 63) 4-Nitroaniline            | 15.657 | 138  | 90737    | 20.561 | ng/ul  | 98       |
| 66) 4,6-Dinitro-2-methylph... | 15.681 | 198  | 83331    | 17.355 | ng/ul  | 91       |
| 67) N-Nitrosodiphenylamine    | 15.798 | 169  | 387128   | 20.013 | ng/ul  | 99       |
| 68) 4-Bromophenyl-phenylether | 16.469 | 248  | 133408   | 18.026 | ng/ul# | 91       |
| 69) Hexachlorobenzene         | 16.551 | 284  | 146307   | 17.223 | ng/ul# | 88       |
| 70) Atrazine                  | 16.751 | 200  | 138558   | 18.755 | ng/ul  | 99       |
| 71) Pentachlorophenol         | 16.922 | 266  | 86010    | 16.669 | ng/ul  | 95       |
| 72) Phenanthrene              | 17.334 | 178  | 718612   | 19.445 | ng/ul  | 99       |
| 74) Anthracene                | 17.428 | 178  | 737410   | 19.630 | ng/ul  | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 13.304 | 216  | 189796   | 19.269 | ng/uL  | 98       |
| 76) Pentachlorobenzene        | 14.810 | 250  | 180110   | 18.324 | ng/uL  | 96       |
| 77) Carbazole                 | 17.722 | 167  | 649549   | 19.391 | ng/ul  | 98       |
| 78) Di-n-butylphthalate       | 18.228 | 149  | 859289   | 20.616 | ng/ul  | 99       |
| 80) Fluoranthene              | 19.310 | 202  | 844342   | 19.950 | ng/ul# | 97       |
| 82) Pyrene                    | 19.669 | 202  | 883577   | 20.016 | ng/ul  | 99       |
| 83) Butylbenzylphthalate      | 20.533 | 149  | 401138   | 20.654 | ng/ul  | 99       |
| 84) 3,3'-Dichlorobenzidine    | 21.339 | 252  | 259563   | 18.176 | ng/ul# | 97       |
| 85) Benzo(a)anthracene        | 21.392 | 228  | 874382   | 19.874 | ng/ul  | 100      |
| 86) Bis(2-ethylhexyl)phtha... | 21.275 | 149  | 564471   | 20.071 | ng/ul  | 100      |
| 87) Chrysene                  | 21.451 | 228  | 805764   | 19.750 | ng/ul  | 99       |
| 89) Di-n-octyl phthalate      | 22.221 | 149  | 969130   | 18.875 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 23.121 | 252  | 826906   | 19.707 | ng/ul  | 99       |
| 91) Benzo(k)fluoranthene      | 23.169 | 252  | 824442   | 19.594 | ng/ul  | 100      |
| 93) Benzo(a)pyrene            | 23.780 | 252  | 770113   | 19.744 | ng/ul  | 99       |
| 94) Indeno(1,2,3-cd)pyrene    | 26.515 | 276  | 898497   | 19.340 | ng/ul  | 98       |
| 95) Dibenzo(a,h)anthracene    | 26.545 | 278  | 743354   | 19.235 | ng/ul  | 99       |
| 96) Benzo(g,h,i)perylene      | 27.345 | 276  | 718384   | 19.423 | ng/ul  | 98       |

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

