

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP111423\  
 Data File : BP018157.D  
 Acq On : 14 Nov 2023 16:09  
 Operator : MA/JU  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 SSTD020677

Quant Time: Nov 15 01:11:52 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP111023.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Nov 13 15:50:18 2023  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/16/2023  
 Supervised By :mohammad ahmed 11/16/2023

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.787  | 152  | 93877    | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.605 | 136  | 394496   | 20.000 | ng/u1  | # 0.00   |
| 38) Acenaphthene-d10          | 14.469 | 164  | 263490   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.251 | 188  | 603064   | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.380 | 240  | 550285   | 20.000 | ng/u1  | -0.01    |
| 88) Perylene-d12              | 23.851 | 264  | 559016   | 20.000 | ng/u1  | -0.02    |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.158  | 96   | 20013    | 7.520  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.593  | 84   | 104988   | 15.131 | ng/u1  | -0.01    |
| 7) Phenol-d5                  | 6.952  | 99   | 166819   | 18.406 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.140  | 67   | 109462   | 20.552 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.305  | 132  | 132084   | 18.404 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.511  | 113  | 135751   | 18.279 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 8.993  | 128  | 65087    | 18.313 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.705  | 143  | 75499    | 18.750 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.228 | 165  | 133764   | 18.639 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.787 | 131  | 185819   | 18.881 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.893 | 166  | 457758   | 18.829 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.163 | 160  | 506936   | 19.144 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.728 | 143  | 51788    | 14.255 | ng/u1  | -0.01    |
| 60) Fluorene-d10              | 15.469 | 176  | 394442   | 19.651 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.628 | 200  | 67896    | 15.574 | ng/u1  | -0.04    |
| 73) Anthracene-d10            | 17.351 | 188  | 623762   | 19.124 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.604 | 212  | 726255   | 19.758 | ng/u1  | -0.01    |
| 92) Benzo(a)pyrene-d12        | 23.686 | 264  | 640145   | 19.694 | ng/u1  | -0.02    |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.199  | 88   | 22107    | 7.613  | ng/uL  | 98       |
| 5) Pyridine                   | 3.611  | 79   | 109298   | 15.262 | ng/u1  | 94       |
| 6) Benzaldehyde               | 6.958  | 77   | 110789   | 22.698 | ng/u1  | 98       |
| 8) Phenol                     | 6.981  | 94   | 166566   | 18.630 | ng/u1  | 92       |
| 10) Bis(2-Chloroethyl)ether   | 7.234  | 93   | 138052   | 19.903 | ng/u1  | 96       |
| 12) 2-Chlorophenol            | 7.340  | 128  | 133924   | 18.585 | ng/u1  | 99       |
| 13) 2-Methylphenol            | 8.240  | 108  | 125862   | 18.631 | ng/u1  | 99       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.299  | 45   | 181369m  | 22.900 | ng/u1  |          |
| 16) Acetophenone              | 8.646  | 105  | 219632   | 18.605 | ng/u1  | 98       |
| 17) N-Nitroso-di-n-propyla... | 8.611  | 70   | 118258   | 18.348 | ng/u1  | 98       |
| 18) 4-Methylphenol            | 8.575  | 108  | 139570   | 18.945 | ng/u1  | 99       |
| 19) Hexachloroethane          | 8.834  | 117  | 63762    | 18.494 | ng/u1  | 91       |
| 22) Nitrobenzene              | 9.040  | 77   | 175023   | 18.237 | ng/u1  | 94       |
| 23) Isophorone                | 9.540  | 82   | 329203   | 18.799 | ng/u1  | 99       |
| 25) 2-Nitrophenol             | 9.740  | 139  | 79473    | 19.207 | ng/u1  | 96       |
| 26) 2,4-Dimethylphenol        | 9.781  | 107  | 161841   | 18.387 | ng/u1  | 99       |
| 27) Bis(2-Chloroethoxy)met... | 10.034 | 93   | 196558   | 20.583 | ng/u1  | 99       |
| 29) 2,4-Dichlorophenol        | 10.258 | 162  | 130198   | 18.999 | ng/u1  | 99       |
| 30) Naphthalene               | 10.657 | 128  | 462062   | 19.260 | ng/u1  | 100      |
| 32) 4-Chloroaniline           | 10.810 | 127  | 178744   | 18.961 | ng/u1  | 100      |
| 33) Hexachlorobutadiene       | 10.869 | 225  | 89808    | 17.851 | ng/u1  | 94       |
| 34) Caprolactam               | 11.640 | 113  | 37418    | 16.436 | ng/u1  | 93       |
| 35) 4-Chloro-3-methylphenol   | 11.922 | 107  | 145910   | 17.697 | ng/u1  | 89       |
| 36) 2-Methylnaphthalene       | 12.275 | 142  | 315641   | 19.164 | ng/u1  | 100      |

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|-------------------------------|--------|------|----------|--------|--------|----------|
| 37) 1-Methylnaphthalene       | 12.493 | 142  | 315072   | 18.615 | ng/ul  | 97       |
| 39) 1,2,4,5-Tetrachloroben... | 12.628 | 216  | 160067   | 17.983 | ng/ul  | 97       |
| 40) Hexachlorocyclopentadiene | 12.563 | 237  | 25872    | 6.022  | ng/ul  | 99       |
| 41) 2,4,6-Trichlorophenol     | 12.893 | 196  | 101677   | 17.413 | ng/ul  | 98       |
| 42) 2,4,5-Trichlorophenol     | 12.975 | 196  | 104097   | 16.939 | ng/ul  | 97       |
| 43) 1,1'-Biphenyl             | 13.293 | 154  | 438568   | 19.574 | ng/ul  | 98       |
| 44) 2-Chloronaphthalene       | 13.346 | 162  | 346412   | 19.474 | ng/ul  | 95       |
| 45) 2-Nitroaniline            | 13.599 | 65   | 104331   | 18.175 | ng/ul  | 97       |
| 47) Dimethylphthalate         | 13.940 | 163  | 458034   | 19.206 | ng/ul  | 98       |
| 48) 2,6-Dinitrotoluene        | 14.098 | 165  | 88577    | 18.686 | ng/ul  | 97       |
| 50) Acenaphthylene            | 14.193 | 152  | 570611   | 19.087 | ng/ul  | 100      |
| 51) 3-Nitroaniline            | 14.440 | 138  | 84752    | 19.268 | ng/ul  | 94       |
| 52) Acenaphthene              | 14.534 | 153  | 383948   | 19.368 | ng/ul  | 99       |
| 53) 2,4-Dinitrophenol         | 14.669 | 184  | 15976    | 6.178  | ng/ul  | 97       |
| 55) 4-Nitrophenol             | 14.740 | 109  | 74122    | 15.371 | ng/ul  | 91       |
| 56) Dibenzofuran              | 14.875 | 168  | 536968   | 19.766 | ng/ul  | 97       |
| 57) 2,4-Dinitrotoluene        | 14.887 | 165  | 133047   | 18.786 | ng/ul  | 99       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.098 | 232  | 87263    | 15.962 | ng/ul  | 96       |
| 59) Diethylphthalate          | 15.293 | 149  | 490729   | 19.696 | ng/ul  | 99       |
| 61) Fluorene                  | 15.528 | 166  | 446799   | 19.372 | ng/ul  | 99       |
| 62) 4-Chlorophenyl-phenyle... | 15.516 | 204  | 214869   | 19.011 | ng/ul  | 97       |
| 63) 4-Nitroaniline            | 15.616 | 138  | 81145    | 19.550 | ng/ul  | 89       |
| 66) 4,6-Dinitro-2-methylph... | 15.645 | 198  | 71212    | 15.741 | ng/ul  | 96       |
| 67) N-Nitrosodiphenylamine    | 15.751 | 169  | 377284   | 19.507 | ng/ul  | 99       |
| 68) 4-Bromophenyl-phenylether | 16.422 | 248  | 119801   | 17.626 | ng/ul  | 92       |
| 69) Hexachlorobenzene         | 16.504 | 284  | 127893   | 16.863 | ng/ul  | 94       |
| 70) Atrazine                  | 16.716 | 200  | 127246   | 18.861 | ng/ul  | 97       |
| 71) Pentachlorophenol         | 16.881 | 266  | 38913m   | 8.452  | ng/ul  |          |
| 72) Phenanthrene              | 17.292 | 178  | 723484   | 19.539 | ng/ul  | 99       |
| 74) Anthracene                | 17.387 | 178  | 736184   | 19.482 | ng/ul  | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 13.246 | 216  | 166312   | 18.059 | ng/uL  | 97       |
| 76) Pentachlorobenzene        | 14.763 | 250  | 155595   | 17.259 | ng/uL  | 98       |
| 77) Carbazole                 | 17.687 | 167  | 652255   | 19.877 | ng/ul  | 98       |
| 78) Di-n-butylphthalate       | 18.192 | 149  | 879031   | 21.113 | ng/ul  | 99       |
| 80) Fluoranthene              | 19.275 | 202  | 847258   | 19.737 | ng/ul# | 95       |
| 82) Pyrene                    | 19.633 | 202  | 898331   | 19.971 | ng/ul# | 94       |
| 83) Butylbenzylphthalate      | 20.504 | 149  | 405094   | 21.414 | ng/ul  | 97       |
| 84) 3,3'-Dichlorobenzidine    | 21.310 | 252  | 253487   | 19.281 | ng/ul# | 97       |
| 85) Benzo(a)anthracene        | 21.363 | 228  | 871616   | 19.616 | ng/ul  | 98       |
| 86) Bis(2-ethylhexyl)phtha... | 21.245 | 149  | 592092   | 22.702 | ng/ul  | 99       |
| 87) Chrysene                  | 21.416 | 228  | 798245   | 19.202 | ng/ul  | 98       |
| 89) Di-n-octyl phthalate      | 22.198 | 149  | 1040607  | 24.891 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 23.080 | 252  | 790282   | 19.864 | ng/ul# | 97       |
| 91) Benzo(k)fluoranthene      | 23.133 | 252  | 807278   | 20.169 | ng/ul# | 97       |
| 93) Benzo(a)pyrene            | 23.739 | 252  | 745353   | 19.839 | ng/ul# | 97       |
| 94) Indeno(1,2,3-cd)pyrene    | 26.468 | 276  | 821353   | 18.228 | ng/ul# | 92       |
| 95) Dibenzo(a,h)anthracene    | 26.492 | 278  | 679926   | 18.326 | ng/ul# | 95       |
| 96) Benzo(g,h,i)perylene      | 27.286 | 276  | 664193   | 18.429 | ng/ul# | 91       |

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

