

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP111423\  
 Data File : BP018147.D  
 Acq On : 14 Nov 2023 09:58  
 Operator : MA/JU  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

## Instrument :

BNA\_P

## ClientSampleId :

SSTD020676

## Manual Integrations

## APPROVED

Reviewed By :Yogesh Patel 11/16/2023

Supervised By :mohammad ahmed 11/16/2023

Quant Time: Nov 15 00:47:56 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

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.787  | 152  | 73829    | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.604 | 136  | 328923   | 20.000 | ng/u1  | # 0.00   |
| 38) Acenaphthene-d10          | 14.469 | 164  | 228251   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.245 | 188  | 531167   | 20.000 | ng/u1  | #-0.01   |
| 79) Chrysene-d12              | 21.374 | 240  | 501390   | 20.000 | ng/u1  | #-0.02   |
| 88) Perylene-d12              | 23.851 | 264  | 526191   | 20.000 | ng/u1  | -0.02    |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.158  | 96   | 16748    | 8.002  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.593  | 84   | 90116    | 16.514 | ng/u1  | -0.01    |
| 7) Phenol-d5                  | 6.951  | 99   | 117709   | 16.514 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.140  | 67   | 80739    | 19.275 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.310  | 132  | 108976   | 19.307 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.510  | 113  | 109667   | 18.776 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 8.993  | 128  | 52805    | 17.819 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.704  | 143  | 61157    | 18.216 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.234 | 165  | 110133   | 18.406 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.787 | 131  | 154122   | 18.782 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.886 | 166  | 391853   | 18.606 | ng/u1  | -0.01    |
| 49) Acenaphthylene-d8         | 14.163 | 160  | 430553   | 18.770 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.728 | 143  | 37890    | 12.040 | ng/u1  | -0.01    |
| 60) Fluorene-d10              | 15.469 | 176  | 339823   | 19.544 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.628 | 200  | 54086    | 14.085 | ng/u1  | -0.04    |
| 73) Anthracene-d10            | 17.351 | 188  | 552723   | 19.240 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.604 | 212  | 647305   | 19.328 | ng/u1  | -0.01    |
| 92) Benzo(a)pyrene-d12        | 23.686 | 264  | 592441   | 19.363 | ng/u1  | -0.02    |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.199  | 88   | 17983    | 7.874  | ng/uL  | 94       |
| 5) Pyridine                   | 3.616  | 79   | 91711    | 16.284 | ng/u1  | 98       |
| 6) Benzaldehyde               | 6.957  | 77   | 80044    | 20.852 | ng/u1  | 97       |
| 8) Phenol                     | 6.981  | 94   | 116597   | 16.582 | ng/u1  | 98       |
| 10) Bis(2-Chloroethyl)ether   | 7.234  | 93   | 109006   | 19.983 | ng/u1  | 98       |
| 12) 2-Chlorophenol            | 7.340  | 128  | 111309   | 19.641 | ng/u1  | 99       |
| 13) 2-Methylphenol            | 8.240  | 108  | 102354   | 19.266 | ng/u1  | 97       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.298  | 45   | 142072m  | 22.809 | ng/u1  |          |
| 16) Acetophenone              | 8.646  | 105  | 181559   | 19.556 | ng/u1  | 97       |
| 17) N-Nitroso-di-n-propyla... | 8.610  | 70   | 96271    | 18.993 | ng/u1  | 96       |
| 18) 4-Methylphenol            | 8.581  | 108  | 113003   | 19.504 | ng/u1  | 96       |
| 19) Hexachloroethane          | 8.834  | 117  | 53127    | 19.593 | ng/u1  | 82       |
| 22) Nitrobenzene              | 9.040  | 77   | 146739   | 18.339 | ng/u1  | 94       |
| 23) Isophorone                | 9.540  | 82   | 268490   | 18.388 | ng/u1  | 99       |
| 25) 2-Nitrophenol             | 9.740  | 139  | 66066    | 19.150 | ng/u1  | 93       |
| 26) 2,4-Dimethylphenol        | 9.781  | 107  | 131641   | 17.938 | ng/u1  | 99       |
| 27) Bis(2-Chloroethoxy)met... | 10.034 | 93   | 161232   | 20.250 | ng/u1  | 99       |
| 29) 2,4-Dichlorophenol        | 10.257 | 162  | 106051   | 18.560 | ng/u1  | 96       |
| 30) Naphthalene               | 10.657 | 128  | 381772   | 19.086 | ng/u1  | 99       |
| 32) 4-Chloroaniline           | 10.810 | 127  | 148660   | 18.913 | ng/u1  | 98       |
| 33) Hexachlorobutadiene       | 10.869 | 225  | 73979    | 17.636 | ng/u1  | 98       |
| 34) Caprolactam               | 11.639 | 113  | 31899m   | 16.805 | ng/u1  |          |
| 35) 4-Chloro-3-methylphenol   | 11.922 | 107  | 124923   | 18.172 | ng/u1  | 92       |
| 36) 2-Methylnaphthalene       | 12.275 | 142  | 270250   | 19.679 | ng/u1  | 98       |

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 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 37) 1-Methylnaphthalene       | 12.492 | 142  | 276029   | 19.560 | ng/ul  | 99       |
| 39) 1,2,4,5-Tetrachloroben... | 12.628 | 216  | 136952   | 17.761 | ng/ul  | 97       |
| 40) Hexachlorocyclopentadiene | 12.563 | 237  | 10690    | 2.872  | ng/ul  | 93       |
| 41) 2,4,6-Trichlorophenol     | 12.898 | 196  | 74089    | 14.647 | ng/ul  | 99       |
| 42) 2,4,5-Trichlorophenol     | 12.975 | 196  | 79505    | 14.935 | ng/ul  | 96       |
| 43) 1,1'-Biphenyl             | 13.292 | 154  | 367890   | 18.955 | ng/ul  | 98       |
| 44) 2-Chloronaphthalene       | 13.345 | 162  | 286642   | 18.602 | ng/ul  | 97       |
| 45) 2-Nitroaniline            | 13.604 | 65   | 88842    | 17.866 | ng/ul  | 97       |
| 47) Dimethylphthalate         | 13.939 | 163  | 387319   | 18.748 | ng/ul  | 99       |
| 48) 2,6-Dinitrotoluene        | 14.098 | 165  | 74031    | 18.029 | ng/ul  | 99       |
| 50) Acenaphthylene            | 14.198 | 152  | 486874   | 18.800 | ng/ul  | 99       |
| 51) 3-Nitroaniline            | 14.439 | 138  | 72062    | 18.912 | ng/ul  | 96       |
| 52) Acenaphthene              | 14.533 | 153  | 326337   | 19.003 | ng/ul  | 98       |
| 53) 2,4-Dinitrophenol         | 14.681 | 184  | 6223     | 2.778  | ng/ul  | 92       |
| 55) 4-Nitrophenol             | 14.745 | 109  | 58048    | 13.896 | ng/ul  | 96       |
| 56) Dibenzofuran              | 14.875 | 168  | 462011   | 19.632 | ng/ul  | 98       |
| 57) 2,4-Dinitrotoluene        | 14.886 | 165  | 114602   | 18.680 | ng/ul  | 97       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.098 | 232  | 66447    | 14.031 | ng/ul  | 96       |
| 59) Diethylphthalate          | 15.292 | 149  | 428987   | 19.876 | ng/ul  | 99       |
| 61) Fluorene                  | 15.528 | 166  | 390465   | 19.543 | ng/ul  | 100      |
| 62) 4-Chlorophenyl-phenyle... | 15.516 | 204  | 187101   | 19.110 | ng/ul  | 99       |
| 63) 4-Nitroaniline            | 15.616 | 138  | 71174    | 19.795 | ng/ul  | 92       |
| 66) 4,6-Dinitro-2-methylph... | 15.645 | 198  | 54353    | 13.641 | ng/ul  | 99       |
| 67) N-Nitrosodiphenylamine    | 15.751 | 169  | 332034   | 19.492 | ng/ul  | 98       |
| 68) 4-Bromophenyl-phenylether | 16.427 | 248  | 96612    | 16.138 | ng/ul  | 90       |
| 69) Hexachlorobenzene         | 16.504 | 284  | 108913   | 16.304 | ng/ul  | 97       |
| 70) Atrazine                  | 16.710 | 200  | 111995   | 18.847 | ng/ul  | 94       |
| 71) Pentachlorophenol         | 16.886 | 266  | 21041m   | 5.189  | ng/ul  |          |
| 72) Phenanthrene              | 17.292 | 178  | 641951   | 19.684 | ng/ul  | 100      |
| 74) Anthracene                | 17.386 | 178  | 655095   | 19.683 | ng/ul  | 98       |
| 75) 1,2,3,4-Tetrachloroben... | 13.245 | 216  | 135996   | 16.766 | ng/ul  | 99       |
| 76) Pentachlorobenzene        | 14.763 | 250  | 134839   | 16.981 | ng/ul  | 95       |
| 77) Carbazole                 | 17.686 | 167  | 582483   | 20.154 | ng/ul  | 99       |
| 78) Di-n-butylphthalate       | 18.192 | 149  | 775645   | 21.151 | ng/ul  | 99       |
| 80) Fluoranthene              | 19.274 | 202  | 757682   | 19.372 | ng/ul# | 94       |
| 82) Pyrene                    | 19.633 | 202  | 816057   | 19.911 | ng/ul# | 95       |
| 83) Butylbenzylphthalate      | 20.504 | 149  | 364106   | 21.125 | ng/ul  | 98       |
| 84) 3,3'-Dichlorobenzidine    | 21.310 | 252  | 225669   | 18.839 | ng/ul  | 97       |
| 85) Benzo(a)anthracene        | 21.363 | 228  | 798669   | 19.727 | ng/ul  | 98       |
| 86) Bis(2-ethylhexyl)phtha... | 21.245 | 149  | 533294   | 22.441 | ng/ul  | 99       |
| 87) Chrysene                  | 21.415 | 228  | 739171   | 19.515 | ng/ul  | 97       |
| 89) Di-n-octyl phthalate      | 22.198 | 149  | 949565   | 24.130 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 23.080 | 252  | 726558   | 19.402 | ng/ul# | 97       |
| 91) Benzo(k)fluoranthene      | 23.133 | 252  | 753307   | 19.994 | ng/ul# | 97       |
| 93) Benzo(a)pyrene            | 23.739 | 252  | 695258   | 19.660 | ng/ul# | 97       |
| 94) Indeno(1,2,3-cd)pyrene    | 26.468 | 276  | 776904   | 18.317 | ng/ul# | 91       |
| 95) Dibenzo(a,h)anthracene    | 26.492 | 278  | 645341   | 18.478 | ng/ul# | 96       |
| 96) Benzo(g,h,i)perylene      | 27.286 | 276  | 572622   | 16.879 | ng/ul  | 96       |

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

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