

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP071723\  
 Data File : BP016245.D  
 Acq On : 17 Jul 2023 08:36  
 Operator : MA/JU  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 SSTD020662

Quant Time: Jul 17 23:17:35 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP071223.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Jul 14 23:53:26 2023  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Yogesh Patel 07/18/2023  
 Supervised By :mohammad ahmed 07/18/2023

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.958  | 152  | 130662   | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.775 | 136  | 640920   | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.610 | 164  | 437676   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.381 | 188  | 1032973  | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.475 | 240  | 1154145  | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 23.974 | 264  | 1343967  | 20.000 | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.281  | 96   | 29772    | 8.063  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.734  | 84   | 187098   | 20.317 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 7.152  | 99   | 242736   | 20.567 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.287  | 67   | 158409   | 19.850 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.493  | 132  | 189350   | 22.225 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.705  | 113  | 198101   | 20.837 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 9.152  | 128  | 95070    | 21.501 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.881  | 143  | 104391   | 20.714 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.446 | 165  | 197620   | 22.645 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.957 | 131  | 283210   | 20.247 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 14.028 | 166  | 672611   | 20.146 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.310 | 160  | 772735   | 21.120 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.934 | 143  | 117035m  | 17.177 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.610 | 176  | 590272   | 21.125 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.798 | 200  | 103130   | 17.295 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.481 | 188  | 973297   | 21.541 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.716 | 212  | 1240977  | 20.721 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.804 | 264  | 1390783  | 21.549 | ng/u1  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.317  | 88   | 32233    | 7.958  | ng/uL# | 90       |
| 5) Pyridine                   | 3.758  | 79   | 192218   | 20.378 | ng/u1  | 97       |
| 6) Benzaldehyde               | 7.122  | 77   | 164889m  | 22.375 | ng/u1  |          |
| 8) Phenol                     | 7.175  | 94   | 259353   | 20.500 | ng/u1  | 98       |
| 10) Bis(2-Chloroethyl)ether   | 7.381  | 93   | 204085   | 19.836 | ng/u1  | 98       |
| 12) 2-Chlorophenol            | 7.522  | 128  | 195727   | 22.142 | ng/u1  | 99       |
| 13) 2-Methylphenol            | 8.428  | 108  | 200245   | 21.029 | ng/u1  | 99       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.481  | 45   | 352066   | 21.085 | ng/u1  | 99       |
| 16) Acetophenone              | 8.811  | 105  | 330597   | 21.087 | ng/u1  | 99       |
| 17) N-Nitroso-di-n-propyla... | 8.775  | 70   | 182221   | 21.680 | ng/u1  | 99       |
| 18) 4-Methylphenol            | 8.775  | 108  | 218380   | 20.972 | ng/u1  | 99       |
| 19) Hexachloroethane          | 9.016  | 117  | 83061    | 20.611 | ng/u1  | 94       |
| 22) Nitrobenzene              | 9.193  | 77   | 266685   | 20.759 | ng/u1  | 99       |
| 23) Isophorone                | 9.710  | 82   | 515530   | 20.244 | ng/u1  | 99       |
| 25) 2-Nitrophenol             | 9.916  | 139  | 115514   | 21.334 | ng/u1  | 97       |
| 26) 2,4-Dimethylphenol        | 9.969  | 107  | 252676   | 21.220 | ng/u1  | 99       |
| 27) Bis(2-Chloroethoxy)met... | 10.199 | 93   | 314530   | 21.212 | ng/u1  | 100      |
| 29) 2,4-Dichlorophenol        | 10.475 | 162  | 200846   | 22.382 | ng/u1  | 97       |
| 30) Naphthalene               | 10.828 | 128  | 714559   | 21.245 | ng/u1  | 98       |
| 32) 4-Chloroaniline           | 10.981 | 127  | 282852   | 20.331 | ng/u1  | 99       |
| 33) Hexachlorobutadiene       | 11.081 | 225  | 128180   | 21.031 | ng/u1  | 97       |
| 34) Caprolactam               | 11.793 | 113  | 69547m   | 21.408 | ng/u1  |          |
| 35) 4-Chloro-3-methylphenol   | 12.116 | 107  | 234813   | 21.204 | ng/u1  | 96       |
| 36) 2-Methylnaphthalene       | 12.446 | 142  | 485006   | 21.506 | ng/u1  | 98       |

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BNA\_P

## ClientSampleId :

SSTD020662

## Manual Integrations

## APPROVED

Reviewed By :Yogesh Patel 07/18/2023

Supervised By :mohammad ahmed 07/18/2023

Quant Time: Jul 17 23:17:35 2023

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP071223.MA.M

Quant Title : SVOA CALIBRATION

QLast Update : Fri Jul 14 23:53:26 2023

Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 37) 1-Methylnaphthalene       | 12.657 | 142  | 503053   | 21.690 | ng/ul | 100      |
| 39) 1,2,4,5-Tetrachloroben... | 12.816 | 216  | 259593   | 20.825 | ng/ul | 99       |
| 40) Hexachlorocyclopentadiene | 12.757 | 237  | 81335    | 16.621 | ng/ul | 98       |
| 41) 2,4,6-Trichlorophenol     | 13.081 | 196  | 166488   | 21.140 | ng/ul | 96       |
| 42) 2,4,5-Trichlorophenol     | 13.175 | 196  | 189919m  | 22.683 | ng/ul |          |
| 43) 1,1'-Biphenyl             | 13.446 | 154  | 671817   | 21.042 | ng/ul | 99       |
| 44) 2-Chloronaphthalene       | 13.499 | 162  | 527948   | 21.047 | ng/ul | 99       |
| 45) 2-Nitroaniline            | 13.746 | 65   | 165405   | 20.234 | ng/ul | 94       |
| 47) Dimethylphthalate         | 14.075 | 163  | 682345   | 20.235 | ng/ul | 100      |
| 48) 2,6-Dinitrotoluene        | 14.228 | 165  | 127307   | 20.026 | ng/ul | 99       |
| 50) Acenaphthylene            | 14.340 | 152  | 891271   | 21.209 | ng/ul | 99       |
| 51) 3-Nitroaniline            | 14.587 | 138  | 128629   | 19.925 | ng/ul | 95       |
| 52) Acenaphthene              | 14.675 | 153  | 592565   | 20.849 | ng/ul | 99       |
| 53) 2,4-Dinitrophenol         | 14.828 | 184  | 83198    | 18.698 | ng/ul | 98       |
| 55) 4-Nitrophenol             | 14.934 | 109  | 81516    | 15.721 | ng/ul | 95       |
| 56) Dibenzofuran              | 15.022 | 168  | 825835   | 21.332 | ng/ul | 98       |
| 57) 2,4-Dinitrotoluene        | 15.040 | 165  | 202408   | 21.584 | ng/ul | 92       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.263 | 232  | 164110   | 21.597 | ng/ul | 100      |
| 59) Diethylphthalate          | 15.428 | 149  | 704810   | 20.099 | ng/ul | 99       |
| 61) Fluorene                  | 15.669 | 166  | 689922   | 21.333 | ng/ul | 99       |
| 62) 4-Chlorophenyl-phenyle... | 15.657 | 204  | 331605   | 21.200 | ng/ul | 98       |
| 63) 4-Nitroaniline            | 15.763 | 138  | 125153m  | 21.109 | ng/ul |          |
| 66) 4,6-Dinitro-2-methylph... | 15.816 | 198  | 110504   | 17.730 | ng/ul | 99       |
| 67) N-Nitrosodiphenylamine    | 15.881 | 169  | 577270   | 21.084 | ng/ul | 99       |
| 68) 4-Bromophenyl-phenylether | 16.551 | 248  | 206539   | 21.040 | ng/ul | 98       |
| 69) Hexachlorobenzene         | 16.681 | 284  | 246899   | 20.885 | ng/ul | 98       |
| 70) Atrazine                  | 16.840 | 200  | 213870   | 19.698 | ng/ul | 96       |
| 71) Pentachlorophenol         | 17.051 | 266  | 118698   | 20.022 | ng/ul | 96       |
| 72) Phenanthrene              | 17.422 | 178  | 1150287  | 21.372 | ng/ul | 100      |
| 74) Anthracene                | 17.522 | 178  | 1171527  | 21.662 | ng/ul | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 13.416 | 216  | 284296   | 20.965 | ng/uL | 99       |
| 76) Pentachlorobenzene        | 14.940 | 250  | 269063   | 21.020 | ng/uL | 99       |
| 77) Carbazole                 | 17.816 | 167  | 1059293  | 21.482 | ng/ul | 100      |
| 78) Di-n-butylphthalate       | 18.316 | 149  | 1276252  | 20.661 | ng/ul | 99       |
| 80) Fluoranthene              | 19.392 | 202  | 1438954  | 20.547 | ng/ul | 99       |
| 82) Pyrene                    | 19.751 | 202  | 1536312  | 20.547 | ng/ul | 98       |
| 83) Butylbenzylphthalate      | 20.592 | 149  | 648613   | 20.114 | ng/ul | 98       |
| 84) 3,3'-Dichlorobenzidine    | 21.392 | 252  | 510633   | 18.936 | ng/ul | 99       |
| 85) Benzo(a)anthracene        | 21.457 | 228  | 1627455  | 21.654 | ng/ul | 100      |
| 86) Bis(2-ethylhexyl)phtha... | 21.339 | 149  | 985514   | 20.458 | ng/ul | 100      |
| 87) Chrysene                  | 21.516 | 228  | 1586230  | 20.834 | ng/ul | 100      |
| 89) Di-n-octyl phthalate      | 22.280 | 149  | 1779153  | 21.134 | ng/ul | 100      |
| 90) Benzo(b)fluoranthene      | 23.198 | 252  | 1700831  | 22.155 | ng/ul | 99       |
| 91) Benzo(k)fluoranthene      | 23.251 | 252  | 1684930  | 21.567 | ng/ul | 99       |
| 93) Benzo(a)pyrene            | 23.863 | 252  | 1611126  | 21.185 | ng/ul | 99       |
| 94) Indeno(1,2,3-cd)pyrene    | 26.610 | 276  | 1789132  | 18.999 | ng/ul | 100      |
| 95) Dibenzo(a,h)anthracene    | 26.610 | 278  | 1472403  | 19.168 | ng/ul | 100      |
| 96) Benzo(g,h,i)perylene      | 27.433 | 276  | 1400523  | 18.632 | ng/ul | 99       |

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

