

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN061522\  
 Data File : BN020167.D  
 Acq On : 15 Jun 2022 10:27  
 Operator : CG/JU  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

## Instrument :

BNA\_N

## ClientSampleId :

SSTD020321

## Manual Integrations

## APPROVED

Reviewed By :Jagrut Upadhyay 06/16/2022  
 Supervised By :mohammad ahmed 06/22/2022

Quant Time: Jun 16 01:10:41 2022

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-BN060622.M

Quant Title : SVOA CALIBRATION

QLast Update : Thu Jun 16 00:50:14 2022

Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.793  | 152  | 152628   | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.587 | 136  | 728490   | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.428 | 164  | 488446   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.169 | 188  | 1006421  | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.363 | 240  | 896677   | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 23.680 | 264  | 927426   | 20.000 | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.264  | 96   | 28630    | 8.124  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.676  | 84   | 185393   | 19.248 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 6.969  | 99   | 252958   | 20.029 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.128  | 67   | 162868   | 20.640 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.328  | 132  | 210688   | 20.531 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.505  | 113  | 220985   | 20.224 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 8.952  | 128  | 106724   | 19.257 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.669  | 143  | 115416   | 19.623 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.210 | 165  | 209293   | 20.383 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.722 | 131  | 333109   | 20.033 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.840 | 166  | 691152   | 19.447 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.116 | 160  | 824282   | 19.999 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.628 | 143  | 130296   | 18.296 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.416 | 176  | 588565   | 20.013 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.540 | 200  | 111218   | 19.077 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.263 | 188  | 879220   | 20.017 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.563 | 212  | 1010010  | 20.778 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.533 | 264  | 916345   | 20.194 | ng/u1  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.293  | 88   | 28990    | 7.793  | ng/uL  | 91       |
| 5) Pyridine                   | 3.693  | 79   | 197184   | 19.528 | ng/u1  | 92       |
| 6) Benzaldehyde               | 6.940  | 77   | 135132   | 22.708 | ng/u1  | 94       |
| 8) Phenol                     | 6.993  | 94   | 271010   | 20.152 | ng/u1  | 99       |
| 10) Bis(2-Chloroethyl)ether   | 7.222  | 93   | 218866   | 20.793 | ng/u1  | 98       |
| 12) 2-Chlorophenol            | 7.364  | 128  | 220776   | 20.583 | ng/u1  | 98       |
| 13) 2-Methylphenol            | 8.240  | 108  | 208927   | 20.208 | ng/u1  | 99       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.328  | 45   | 354406   | 21.472 | ng/u1  | 98       |
| 16) Acetophenone              | 8.616  | 105  | 354911   | 21.358 | ng/u1  | 96       |
| 17) N-Nitroso-di-n-propyla... | 8.605  | 70   | 176804   | 20.828 | ng/u1  | 94       |
| 18) 4-Methylphenol            | 8.569  | 108  | 240131   | 21.044 | ng/u1  | 98       |
| 19) Hexachloroethane          | 8.875  | 117  | 85724    | 19.862 | ng/u1  | 89       |
| 22) Nitrobenzene              | 8.993  | 77   | 257434   | 20.033 | ng/u1  | 96       |
| 23) Isophorone                | 9.522  | 82   | 494919   | 19.506 | ng/u1  | 99       |
| 25) 2-Nitrophenol             | 9.699  | 139  | 130901   | 20.141 | ng/u1  | 100      |
| 26) 2,4-Dimethylphenol        | 9.769  | 107  | 272878   | 20.266 | ng/u1  | 97       |
| 27) Bis(2-Chloroethoxy)met... | 10.005 | 93   | 318133   | 20.489 | ng/u1  | 99       |
| 29) 2,4-Dichlorophenol        | 10.234 | 162  | 217427   | 20.471 | ng/u1  | 99       |
| 30) Naphthalene               | 10.634 | 128  | 766645   | 20.306 | ng/u1  | 100      |
| 32) 4-Chloroaniline           | 10.746 | 127  | 338240   | 20.337 | ng/u1  | 98       |
| 33) Hexachlorobutadiene       | 10.928 | 225  | 121952   | 19.998 | ng/u1  | 98       |
| 34) Caprolactam               | 11.522 | 113  | 71757m   | 17.300 | ng/u1  |          |
| 35) 4-Chloro-3-methylphenol   | 11.875 | 107  | 262229   | 20.909 | ng/u1  | 98       |
| 36) 2-Methylnaphthalene       | 12.246 | 142  | 530638   | 20.789 | ng/u1  | 99       |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN061522\  
 Data File : BN020167.D  
 Acq On : 15 Jun 2022 10:27  
 Operator : CG/JU  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SSTD020321

Manual Integrations  
 APPROVED

Reviewed By :Jagrut Upadhyay 06/16/2022  
 Supervised By :mohammad ahmed 06/22/2022

Quant Time: Jun 16 01:10:41 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-BN060622.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Jun 16 00:50:14 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 37) 1-Methylnaphthalene       | 12.469 | 142  | 543584   | 20.869 | ng/ul  | 97       |
| 39) 1,2,4,5-Tetrachloroben... | 12.622 | 216  | 247604   | 19.876 | ng/ul  | 97       |
| 40) Hexachlorocyclopentadiene | 12.604 | 237  | 147811   | 19.505 | ng/ul  | 99       |
| 41) 2,4,6-Trichlorophenol     | 12.857 | 196  | 174060   | 20.264 | ng/ul  | 94       |
| 42) 2,4,5-Trichlorophenol     | 12.934 | 196  | 187450   | 19.704 | ng/ul  | 99       |
| 43) 1,1'-Biphenyl             | 13.263 | 154  | 724508   | 20.032 | ng/ul  | 98       |
| 44) 2-Chloronaphthalene       | 13.299 | 162  | 548478   | 19.990 | ng/ul  | 98       |
| 45) 2-Nitroaniline            | 13.504 | 65   | 161150   | 18.879 | ng/ul  | 94       |
| 47) Dimethylphthalate         | 13.887 | 163  | 697655   | 19.500 | ng/ul  | 98       |
| 48) 2,6-Dinitrotoluene        | 13.999 | 165  | 137099   | 19.599 | ng/ul  | 98       |
| 50) Acenaphthylene            | 14.146 | 152  | 902300   | 19.773 | ng/ul  | 100      |
| 51) 3-Nitroaniline            | 14.328 | 138  | 138614   | 18.744 | ng/ul  | 100      |
| 52) Acenaphthene              | 14.487 | 153  | 593160   | 19.900 | ng/ul  | 98       |
| 53) 2,4-Dinitrophenol         | 14.534 | 184  | 85763    | 19.149 | ng/ul  | 94       |
| 55) 4-Nitrophenol             | 14.640 | 109  | 107383   | 17.664 | ng/ul  | 97       |
| 56) Dibenzofuran              | 14.822 | 168  | 822763   | 19.593 | ng/ul  | 96       |
| 57) 2,4-Dinitrotoluene        | 14.787 | 165  | 202966   | 19.596 | ng/ul  | 97       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.051 | 232  | 152959   | 20.482 | ng/ul  | 92       |
| 59) Diethylphthalate          | 15.251 | 149  | 720285   | 19.554 | ng/ul  | 98       |
| 61) Fluorene                  | 15.475 | 166  | 659387   | 20.179 | ng/ul  | 98       |
| 62) 4-Chlorophenyl-phenyle... | 15.469 | 204  | 301953   | 20.066 | ng/ul  | 93       |
| 63) 4-Nitroaniline            | 15.487 | 138  | 131272   | 18.996 | ng/ul  | 98       |
| 66) 4,6-Dinitro-2-methylph... | 15.551 | 198  | 111433   | 18.853 | ng/ul# | 92       |
| 67) N-Nitrosodiphenylamine    | 15.681 | 169  | 580665   | 20.125 | ng/ul  | 98       |
| 68) 4-Bromophenyl-phenylether | 16.363 | 248  | 179417   | 20.471 | ng/ul  | 95       |
| 69) Hexachlorobenzene         | 16.481 | 284  | 197948   | 19.648 | ng/ul# | 88       |
| 70) Atrazine                  | 16.634 | 200  | 203533   | 20.218 | ng/ul  | 96       |
| 71) Pentachlorophenol         | 16.822 | 266  | 120244   | 19.163 | ng/ul  | 99       |
| 72) Phenanthrene              | 17.210 | 178  | 1040203  | 19.585 | ng/ul  | 98       |
| 74) Anthracene                | 17.298 | 178  | 1083547  | 20.289 | ng/ul  | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 13.228 | 216  | 264609   | 19.634 | ng/ul  | 98       |
| 76) Pentachlorobenzene        | 14.751 | 250  | 245213   | 20.587 | ng/ul  | 96       |
| 77) Carbazole                 | 17.569 | 167  | 986584   | 20.306 | ng/ul  | 97       |
| 78) Di-n-butylphthalate       | 18.145 | 149  | 1192560  | 19.795 | ng/ul  | 99       |
| 80) Fluoranthene              | 19.228 | 202  | 1203422  | 20.498 | ng/ul  | 96       |
| 82) Pyrene                    | 19.592 | 202  | 1249255  | 20.741 | ng/ul# | 94       |
| 83) Butylbenzylphthalate      | 20.498 | 149  | 544092   | 20.072 | ng/ul  | 98       |
| 84) 3,3'-Dichlorobenzidine    | 21.280 | 252  | 378839   | 22.120 | ng/ul# | 97       |
| 85) Benzo(a)anthracene        | 21.345 | 228  | 1153579  | 20.373 | ng/ul  | 96       |
| 86) Bis(2-ethylhexyl)phtha... | 21.286 | 149  | 808191   | 21.131 | ng/ul  | 100      |
| 87) Chrysene                  | 21.398 | 228  | 1138702  | 20.556 | ng/ul  | 99       |
| 89) Di-n-octyl phthalate      | 22.186 | 149  | 1414748  | 18.742 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 22.975 | 252  | 1162182  | 19.966 | ng/ul# | 95       |
| 91) Benzo(k)fluoranthene      | 23.027 | 252  | 1111894  | 20.067 | ng/ul  | 97       |
| 93) Benzo(a)pyrene            | 23.574 | 252  | 1124622  | 19.960 | ng/ul# | 96       |
| 94) Indeno(1,2,3-cd)pyrene    | 26.057 | 276  | 1194467  | 20.605 | ng/ul# | 92       |
| 95) Dibenzo(a,h)anthracene    | 26.074 | 278  | 1037032  | 20.944 | ng/ul  | 98       |
| 96) Benzo(g,h,i)perylene      | 26.780 | 276  | 1049501m | 21.439 | ng/ul  |          |

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

