

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN090722\  
 Data File : BN021635.D  
 Acq On : 07 Sep 2022 21:00  
 Operator : CG/JU  
 Sample : SSTDCCC020EC  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SSTD020337

Quant Time: Sep 08 02:32:24 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-BN081922.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Sep 07 01:01:49 2022  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 09/08/2022  
 Supervised By :mohammad ahmed 09/08/2022

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.063  | 152  | 178411   | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.893 | 136  | 806416   | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.722 | 164  | 511254   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.469 | 188  | 1038947  | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.663 | 240  | 925379   | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 24.180 | 264  | 868403   | 20.000 | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.364  | 96   | 33689    | 7.090  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.793  | 84   | 251011   | 19.382 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 7.210  | 99   | 301335   | 18.622 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.381  | 67   | 190870   | 19.487 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.587  | 132  | 234001   | 19.877 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.775  | 113  | 243108   | 19.148 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 9.240  | 128  | 120522   | 21.936 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.969  | 143  | 124728   | 25.416 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.510 | 165  | 233940   | 21.525 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 11.034 | 131  | 353849   | 19.171 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 14.128 | 166  | 699448   | 20.016 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.416 | 160  | 813558   | 19.971 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.910 | 143  | 136403   | 19.616 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.710 | 176  | 585303   | 19.250 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.828 | 200  | 101187   | 24.350 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.569 | 188  | 894684   | 19.541 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.863 | 212  | 993367   | 22.573 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.015 | 264  | 844938m  | 20.528 | ng/u1  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.399  | 88   | 37398    | 7.642  | ng/uL  | 96       |
| 5) Pyridine                   | 3.817  | 79   | 251661   | 19.312 | ng/u1  | 89       |
| 6) Benzaldehyde               | 7.193  | 77   | 164178   | 23.352 | ng/u1  | 92       |
| 8) Phenol                     | 7.240  | 94   | 309865   | 18.531 | ng/u1  | 95       |
| 10) Bis(2-Chloroethyl)ether   | 7.475  | 93   | 255860   | 19.191 | ng/u1  | 95       |
| 12) 2-Chlorophenol            | 7.622  | 128  | 247463   | 19.593 | ng/u1  | 96       |
| 13) 2-Methylphenol            | 8.510  | 108  | 239591   | 18.858 | ng/u1  | 98       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.599  | 45   | 332587   | 19.777 | ng/u1  | 97       |
| 16) Acetophenone              | 8.899  | 105  | 382950   | 19.071 | ng/u1  | 95       |
| 17) N-Nitroso-di-n-propyla... | 8.881  | 70   | 198484   | 19.851 | ng/u1  | 93       |
| 18) 4-Methylphenol            | 8.840  | 108  | 267474   | 19.165 | ng/u1  | 97       |
| 19) Hexachloroethane          | 9.157  | 117  | 99967    | 19.858 | ng/u1  | 92       |
| 22) Nitrobenzene              | 9.281  | 77   | 288017   | 21.273 | ng/u1  | 99       |
| 23) Isophorone                | 9.810  | 82   | 565171   | 20.272 | ng/u1  | 99       |
| 25) 2-Nitrophenol             | 9.999  | 139  | 140118   | 24.375 | ng/u1  | 97       |
| 26) 2,4-Dimethylphenol        | 10.057 | 107  | 285920   | 20.086 | ng/u1  | 95       |
| 27) Bis(2-Chloroethoxy)met... | 10.299 | 93   | 361736   | 20.719 | ng/u1  | 97       |
| 29) 2,4-Dichlorophenol        | 10.534 | 162  | 236440   | 20.763 | ng/u1  | 100      |
| 30) Naphthalene               | 10.946 | 128  | 806071   | 19.197 | ng/u1  | 99       |
| 32) 4-Chloroaniline           | 11.057 | 127  | 360480   | 18.846 | ng/u1  | 100      |
| 33) Hexachlorobutadiene       | 11.228 | 225  | 130014   | 19.819 | ng/u1  | 98       |
| 34) Caprolactam               | 11.816 | 113  | 82868    | 19.025 | ng/u1  | 85       |
| 35) 4-Chloro-3-methylphenol   | 12.175 | 107  | 269645   | 21.011 | ng/u1  | 94       |
| 36) 2-Methylnaphthalene       | 12.551 | 142  | 562510   | 19.803 | ng/u1  | 99       |

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|-------------------------------|--------|------|----------|--------|--------|----------|
| 37) 1-Methylnaphthalene       | 12.769 | 142  | 573948   | 20.106 | ng/ul  | 97       |
| 39) 1,2,4,5-Tetrachloroben... | 12.916 | 216  | 268523   | 20.483 | ng/ul  | 98       |
| 40) Hexachlorocyclopentadiene | 12.898 | 237  | 165551   | 21.211 | ng/ul  | 94       |
| 41) 2,4,6-Trichlorophenol     | 13.157 | 196  | 182940   | 22.490 | ng/ul  | 93       |
| 42) 2,4,5-Trichlorophenol     | 13.228 | 196  | 195207   | 21.872 | ng/ul  | 100      |
| 43) 1,1'-Biphenyl             | 13.557 | 154  | 747021   | 19.994 | ng/ul  | 96       |
| 44) 2-Chloronaphthalene       | 13.598 | 162  | 555043   | 19.405 | ng/ul  | 98       |
| 45) 2-Nitroaniline            | 13.804 | 65   | 167368   | 23.329 | ng/ul  | 93       |
| 47) Dimethylphthalate         | 14.175 | 163  | 704258   | 19.703 | ng/ul  | 99       |
| 48) 2,6-Dinitrotoluene        | 14.298 | 165  | 139470   | 22.744 | ng/ul  | 96       |
| 50) Acenaphthylene            | 14.445 | 152  | 937771   | 19.940 | ng/ul  | 99       |
| 51) 3-Nitroaniline            | 14.628 | 138  | 156574   | 22.920 | ng/ul  | 97       |
| 52) Acenaphthene              | 14.781 | 153  | 589738   | 19.407 | ng/ul  | 97       |
| 53) 2,4-Dinitrophenol         | 14.828 | 184  | 72636    | 24.196 | ng/ul  | 97       |
| 55) 4-Nitrophenol             | 14.928 | 109  | 104789   | 18.799 | ng/ul  | 91       |
| 56) Dibenzofuran              | 15.116 | 168  | 830996   | 19.033 | ng/ul  | 100      |
| 57) 2,4-Dinitrotoluene        | 15.081 | 165  | 203356   | 22.834 | ng/ul  | 94       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.339 | 232  | 157533   | 22.996 | ng/ul  | 94       |
| 59) Diethylphthalate          | 15.528 | 149  | 716649   | 19.882 | ng/ul  | 97       |
| 61) Fluorene                  | 15.769 | 166  | 658596   | 19.127 | ng/ul  | 96       |
| 62) 4-Chlorophenyl-phenyle... | 15.757 | 204  | 313321   | 19.739 | ng/ul  | 98       |
| 63) 4-Nitroaniline            | 15.786 | 138  | 145365   | 21.204 | ng/ul  | 95       |
| 66) 4,6-Dinitro-2-methylph... | 15.839 | 198  | 108552   | 24.657 | ng/ul  | 97       |
| 67) N-Nitrosodiphenylamine    | 15.969 | 169  | 577155   | 19.821 | ng/ul  | 96       |
| 68) 4-Bromophenyl-phenylether | 16.651 | 248  | 192037   | 20.783 | ng/ul  | 94       |
| 69) Hexachlorobenzene         | 16.769 | 284  | 214047   | 19.460 | ng/ul# | 91       |
| 70) Atrazine                  | 16.922 | 200  | 202078   | 19.612 | ng/ul  | 96       |
| 71) Pentachlorophenol         | 17.116 | 266  | 133694   | 21.832 | ng/ul  | 98       |
| 72) Phenanthrene              | 17.510 | 178  | 1054974  | 19.224 | ng/ul  | 99       |
| 74) Anthracene                | 17.604 | 178  | 1043008  | 19.087 | ng/ul  | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 13.522 | 216  | 272597   | 20.615 | ng/uL  | 97       |
| 76) Pentachlorobenzene        | 15.034 | 250  | 251144   | 19.937 | ng/uL  | 94       |
| 77) Carbazole                 | 17.875 | 167  | 1018557  | 19.724 | ng/ul  | 98       |
| 78) Di-n-butylphthalate       | 18.427 | 149  | 1238563  | 21.274 | ng/ul  | 99       |
| 80) Fluoranthene              | 19.527 | 202  | 1228612  | 23.146 | ng/ul# | 94       |
| 82) Pyrene                    | 19.892 | 202  | 1232728  | 22.282 | ng/ul# | 92       |
| 83) Butylbenzylphthalate      | 20.780 | 149  | 545776   | 26.064 | ng/ul  | 97       |
| 84) 3,3'-Dichlorobenzidine    | 21.574 | 252  | 345179   | 19.563 | ng/ul# | 93       |
| 85) Benzo(a)anthracene        | 21.645 | 228  | 1147674  | 20.598 | ng/ul  | 97       |
| 86) Bis(2-ethylhexyl)phtha... | 21.557 | 149  | 826345   | 25.774 | ng/ul# | 95       |
| 87) Chrysene                  | 21.698 | 228  | 1084700  | 20.107 | ng/ul  | 97       |
| 89) Di-n-octyl phthalate      | 22.516 | 149  | 1363770  | 26.810 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 23.404 | 252  | 1110451m | 21.018 | ng/ul  |          |
| 91) Benzo(k)fluoranthene      | 23.451 | 252  | 1083955  | 22.936 | ng/ul  | 96       |
| 93) Benzo(a)pyrene            | 24.068 | 252  | 1066872  | 21.106 | ng/ul  | 96       |
| 94) Indeno(1,2,3-cd)pyrene    | 26.827 | 276  | 1061822  | 17.110 | ng/ul  | 91       |
| 95) Dibenzo(a,h)anthracene    | 26.851 | 278  | 896049   | 17.110 | ng/ul  | 97       |
| 96) Benzo(g,h,i)perylene      | 27.639 | 276  | 864485   | 15.964 | ng/ul  | 95       |

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

