

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN030323\  
 Data File : BN024122.D  
 Acq On : 03 Mar 2023 11:02  
 Operator : CG/JU  
 Sample : SSTD04080  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SSTD040248

Quant Time: Mar 03 23:07:36 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-BN030323.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Mar 03 23:03:15 2023  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Christian Giraldo 03/06/2023  
 Supervised By :Jagrut Upadhyay 03/08/2023

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.063  | 152  | 260612   | 20.000 | ng/ul  | 0.00     |
| 20) Naphthalene-d8            | 10.881 | 136  | 1160862  | 20.000 | ng/ul  | 0.00     |
| 38) Acenaphthene-d10          | 14.698 | 164  | 686492   | 20.000 | ng/ul  | 0.00     |
| 64) Phenanthrene-d10          | 17.445 | 188  | 1467757  | 20.000 | ng/ul  | 0.00     |
| 79) Chrysene-d12              | 21.633 | 240  | 1339050  | 20.000 | ng/ul  | 0.00     |
| 88) Perylene-d12              | 24.168 | 264  | 1541944  | 20.000 | ng/ul  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.405  | 96   | 107469   | 16.824 | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.828  | 84   | 777813   | 46.149 | ng/ul  | 0.00     |
| 7) Phenol-d5                  | 7.205  | 99   | 980242   | 46.742 | ng/ul  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.381  | 67   | 629079   | 48.892 | ng/ul  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.587  | 132  | 769176   | 43.979 | ng/ul  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.769  | 113  | 785604   | 47.974 | ng/ul  | 0.00     |
| 21) Nitrobenzene-d5           | 9.234  | 128  | 352587   | 42.601 | ng/ul  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.957  | 143  | 389668   | 43.520 | ng/ul  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.493 | 165  | 757546   | 40.218 | ng/ul  | 0.00     |
| 31) 4-Chloroaniline-d4        | 11.016 | 131  | 1106784  | 44.238 | ng/ul  | 0.00     |
| 46) Dimethylphthalate-d6      | 14.104 | 166  | 2240293  | 42.945 | ng/ul  | 0.00     |
| 49) Acenaphthylene-d8         | 14.392 | 160  | 2614619  | 41.357 | ng/ul  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.881 | 143  | 436673   | 48.008 | ng/ul  | 0.01     |
| 60) Fluorene-d10              | 15.686 | 176  | 1831245  | 40.403 | ng/ul  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.804 | 200  | 344752   | 48.445 | ng/ul  | 0.00     |
| 73) Anthracene-d10            | 17.545 | 188  | 2824977  | 40.613 | ng/ul  | 0.00     |
| 81) Pyrene-d10                | 19.833 | 212  | 3281519  | 41.701 | ng/ul  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.998 | 264  | 3319871  | 41.031 | ng/ul  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.446  | 88   | 114448   | 16.467 | ng/uL  | 97       |
| 5) Pyridine                   | 3.852  | 79   | 797027   | 46.281 | ng/ul  | 99       |
| 6) Benzaldehyde               | 7.187  | 77   | 509379   | 48.657 | ng/ul  | 100      |
| 8) Phenol                     | 7.234  | 94   | 1010454  | 47.279 | ng/ul  | 100      |
| 10) Bis(2-Chloroethyl)ether   | 7.475  | 93   | 815254   | 47.274 | ng/ul  | 97       |
| 12) 2-Chlorophenol            | 7.616  | 128  | 785194   | 44.370 | ng/ul  | 99       |
| 13) 2-Methylphenol            | 8.499  | 108  | 774120   | 47.967 | ng/ul  | 99       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.599  | 45   | 1312136  | 55.754 | ng/ul  | 99       |
| 16) Acetophenone              | 8.893  | 105  | 1221750  | 49.453 | ng/ul  | 99       |
| 17) N-Nitroso-di-n-propyla... | 8.881  | 70   | 604964   | 48.720 | ng/ul  | 97       |
| 18) 4-Methylphenol            | 8.834  | 108  | 843608   | 49.168 | ng/ul  | 100      |
| 19) Hexachloroethane          | 9.151  | 117  | 313936   | 43.938 | ng/ul  | 97       |
| 22) Nitrobenzene              | 9.275  | 77   | 895069   | 43.897 | ng/ul  | 96       |
| 23) Isophorone                | 9.804  | 82   | 1859991  | 44.543 | ng/ul  | 99       |
| 25) 2-Nitrophenol             | 9.987  | 139  | 432041   | 43.605 | ng/ul  | 97       |
| 26) 2,4-Dimethylphenol        | 10.046 | 107  | 889120   | 41.672 | ng/ul  | 98       |
| 27) Bis(2-Chloroethoxy)met... | 10.287 | 93   | 1127258  | 44.246 | ng/ul  | 99       |
| 29) 2,4-Dichlorophenol        | 10.522 | 162  | 756466   | 40.835 | ng/ul  | 99       |
| 30) Naphthalene               | 10.934 | 128  | 2569178  | 40.581 | ng/ul  | 98       |
| 32) 4-Chloroaniline           | 11.040 | 127  | 1112537  | 44.624 | ng/ul  | 100      |
| 33) Hexachlorobutadiene       | 11.222 | 225  | 436907   | 34.366 | ng/ul  | 96       |
| 34) Caprolactam               | 11.810 | 113  | 253474m  | 46.078 | ng/ul  |          |
| 35) 4-Chloro-3-methylphenol   | 12.151 | 107  | 831731   | 44.154 | ng/ul  | 98       |
| 36) 2-Methylnaphthalene       | 12.534 | 142  | 1699140  | 41.504 | ng/ul  | 94       |

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|-------------------------------|--------|------|----------|--------|-------|----------|
| 37) 1-Methylnaphthalene       | 12.751 | 142  | 1696668  | 41.913 | ng/ul | 98       |
| 39) 1,2,4,5-Tetrachloroben... | 12.898 | 216  | 859307   | 36.508 | ng/ul | 98       |
| 40) Hexachlorocyclopentadiene | 12.881 | 237  | 481443   | 38.626 | ng/ul | 100      |
| 41) 2,4,6-Trichlorophenol     | 13.134 | 196  | 592968   | 39.189 | ng/ul | 91       |
| 42) 2,4,5-Trichlorophenol     | 13.204 | 196  | 627253   | 38.808 | ng/ul | 96       |
| 43) 1,1'-Biphenyl             | 13.539 | 154  | 2277317  | 40.753 | ng/ul | 99       |
| 44) 2-Chloronaphthalene       | 13.581 | 162  | 1750959  | 39.633 | ng/ul | 95       |
| 45) 2-Nitroaniline            | 13.781 | 65   | 479831   | 58.783 | ng/ul | 98       |
| 47) Dimethylphthalate         | 14.157 | 163  | 2228836  | 42.946 | ng/ul | 100      |
| 48) 2,6-Dinitrotoluene        | 14.275 | 165  | 408809   | 57.600 | ng/ul | 89       |
| 50) Acenaphthylene            | 14.422 | 152  | 2739697  | 40.962 | ng/ul | 99       |
| 51) 3-Nitroaniline            | 14.598 | 138  | 432579   | 51.008 | ng/ul | 98       |
| 52) Acenaphthene              | 14.763 | 153  | 1858659  | 40.872 | ng/ul | 99       |
| 53) 2,4-Dinitrophenol         | 14.798 | 184  | 235718   | 48.118 | ng/ul | 95       |
| 55) 4-Nitrophenol             | 14.898 | 109  | 331520   | 46.348 | ng/ul | 94       |
| 56) Dibenzofuran              | 15.098 | 168  | 2640424  | 41.806 | ng/ul | 95       |
| 57) 2,4-Dinitrotoluene        | 15.057 | 165  | 624900m  | 59.511 | ng/ul |          |
| 58) 2,3,4,6-Tetrachlorophenol | 15.316 | 232  | 544972   | 40.536 | ng/ul | 98       |
| 59) Diethylphthalate          | 15.516 | 149  | 2245785  | 44.880 | ng/ul | 98       |
| 61) Fluorene                  | 15.745 | 166  | 2003309  | 40.108 | ng/ul | 99       |
| 62) 4-Chlorophenyl-phenyle... | 15.739 | 204  | 971353   | 38.367 | ng/ul | 97       |
| 63) 4-Nitroaniline            | 15.763 | 138  | 416289   | 55.059 | ng/ul | 98       |
| 66) 4,6-Dinitro-2-methylph... | 15.816 | 198  | 348150   | 47.958 | ng/ul | 97       |
| 67) N-Nitrosodiphenylamine    | 15.951 | 169  | 1813867  | 41.401 | ng/ul | 99       |
| 68) 4-Bromophenyl-phenylether | 16.633 | 248  | 600927   | 36.519 | ng/ul | 98       |
| 69) Hexachlorobenzene         | 16.745 | 284  | 725873   | 38.045 | ng/ul | 98       |
| 70) Atrazine                  | 16.898 | 200  | 634074   | 42.874 | ng/ul | 97       |
| 71) Pentachlorophenol         | 17.086 | 266  | 466326   | 39.082 | ng/ul | 92       |
| 72) Phenanthrene              | 17.486 | 178  | 3298519  | 40.571 | ng/ul | 97       |
| 74) Anthracene                | 17.580 | 178  | 3321631  | 40.526 | ng/ul | 98       |
| 75) 1,2,3,4-Tetrachloroben... | 13.504 | 216  | 873979   | 35.034 | ng/ul | 93       |
| 76) Pentachlorobenzene        | 15.016 | 250  | 868996   | 37.526 | ng/ul | 90       |
| 77) Carbazole                 | 17.845 | 167  | 3145283  | 44.492 | ng/ul | 100      |
| 78) Di-n-butylphthalate       | 18.410 | 149  | 3933793  | 48.679 | ng/ul | 99       |
| 80) Fluoranthene              | 19.498 | 202  | 3838241  | 41.273 | ng/ul | 99       |
| 82) Pyrene                    | 19.863 | 202  | 3857633  | 40.258 | ng/ul | 98       |
| 83) Butylbenzylphthalate      | 20.757 | 149  | 1195173  | 81.113 | ng/ul | 95       |
| 84) 3,3'-Dichlorobenzidine    | 21.545 | 252  | 1216128  | 43.684 | ng/ul | 94       |
| 85) Benzo(a)anthracene        | 21.616 | 228  | 3915243  | 41.634 | ng/ul | 98       |
| 86) Bis(2-ethylhexyl)phtha... | 21.539 | 149  | 2022359  | 74.604 | ng/ul | 99       |
| 87) Chrysene                  | 21.674 | 228  | 3645274  | 40.676 | ng/ul | 96       |
| 89) Di-n-octyl phthalate      | 22.515 | 149  | 3668988  | 57.199 | ng/ul | 100      |
| 90) Benzo(b)fluoranthene      | 23.392 | 252  | 4250905  | 43.055 | ng/ul | 98       |
| 91) Benzo(k)fluoranthene      | 23.445 | 252  | 3911577  | 40.670 | ng/ul | 98       |
| 93) Benzo(a)pyrene            | 24.051 | 252  | 3626258  | 40.859 | ng/ul | 98       |
| 94) Indeno(1,2,3-cd)pyrene    | 26.839 | 276  | 4747315m | 40.330 | ng/ul |          |
| 95) Dibenzo(a,h)anthracene    | 26.856 | 278  | 3867783m | 40.104 | ng/ul |          |
| 96) Benzo(g,h,i)perylene      | 27.656 | 276  | 3855727m | 39.683 | ng/ul |          |

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

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