

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN020223\  
 Data File : BN023931.D  
 Acq On : 03 Feb 2023 07:49  
 Operator : CG/JU  
 Sample : 01294-02MS  
 Misc :  
 ALS Vial : 37 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 A44N8MS

Quant Time: Feb 03 21:49:01 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-BN020123.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Feb 02 02:10:45 2023  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 02/06/2023  
 Supervised By :mohammad ahmed 02/06/2023

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.846  | 152  | 169171   | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.657 | 136  | 733445   | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.504 | 164  | 470554   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.251 | 188  | 1037782  | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.445 | 240  | 906689   | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 23.845 | 264  | 851752   | 20.000 | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.240  | 96   | 16165    | 3.857  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.669  | 84   | 31957    | 2.729  | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 7.016  | 99   | 66716    | 4.516  | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.181  | 67   | 232342   | 24.886 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.375  | 132  | 212086   | 18.361 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.569  | 113  | 134541   | 11.481 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 9.016  | 128  | 144742   | 24.323 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.740  | 143  | 155237   | 22.927 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.281 | 165  | 281506   | 22.266 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.804 | 131  | 324356   | 18.806 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.916 | 166  | 1154284  | 30.725 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.198 | 160  | 1152460  | 28.358 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.710 | 143  | 35077    | 5.150  | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.498 | 176  | 950275   | 30.173 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.622 | 200  | 220409   | 30.014 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.351 | 188  | 1534118  | 31.753 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.645 | 212  | 1806721  | 32.821 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.680 | 264  | 1447072  | 32.734 | ng/u1  | -0.01    |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.275  | 88   | 16327    | 3.781  | ng/uL# | 85       |
| 5) Pyridine                   | 3.687  | 79   | 38393    | 3.263  | ng/u1  | 97       |
| 6) Benzaldehyde               | 6.987  | 77   | 244008   | 37.985 | ng/u1  | 99       |
| 8) Phenol                     | 7.046  | 94   | 72397    | 4.875  | ng/u1  | 99       |
| 10) Bis(2-Chloroethyl)ether   | 7.275  | 93   | 285757   | 23.617 | ng/u1  | 100      |
| 12) 2-Chlorophenol            | 7.410  | 128  | 206941   | 17.704 | ng/u1  | 98       |
| 13) 2-Methylphenol            | 8.298  | 108  | 149078   | 13.230 | ng/u1  | 97       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.387  | 45   | 360384   | 23.325 | ng/u1  | 99       |
| 16) Acetophenone              | 8.681  | 105  | 439664   | 24.224 | ng/u1  | 98       |
| 17) N-Nitroso-di-n-propyla... | 8.663  | 70   | 239923   | 24.080 | ng/u1  | 96       |
| 18) 4-Methylphenol            | 8.628  | 108  | 137736   | 11.285 | ng/u1  | 98       |
| 19) Hexachloroethane          | 8.928  | 117  | 114178   | 23.323 | ng/u1  | 96       |
| 22) Nitrobenzene              | 9.063  | 77   | 354948   | 23.760 | ng/u1  | 99       |
| 23) Isophorone                | 9.587  | 82   | 666483   | 23.638 | ng/u1  | 100      |
| 25) 2-Nitrophenol             | 9.775  | 139  | 159777   | 22.724 | ng/u1  | 97       |
| 26) 2,4-Dimethylphenol        | 9.834  | 107  | 262703   | 18.867 | ng/u1  | 100      |
| 27) Bis(2-Chloroethoxy)met... | 10.075 | 93   | 397370   | 23.068 | ng/u1  | 97       |
| 29) 2,4-Dichlorophenol        | 10.310 | 162  | 261995   | 21.475 | ng/u1  | 99       |
| 30) Naphthalene               | 10.710 | 128  | 947967   | 23.866 | ng/u1  | 100      |
| 32) 4-Chloroaniline           | 10.828 | 127  | 319329   | 18.603 | ng/u1  | 99       |
| 33) Hexachlorobutadiene       | 10.987 | 225  | 201257   | 23.541 | ng/u1  | 98       |
| 34) Caprolactam               | 11.616 | 113  | 12994m   | 3.408  | ng/u1  |          |
| 35) 4-Chloro-3-methylphenol   | 11.951 | 107  | 270100   | 20.655 | ng/u1  | 98       |
| 36) 2-Methylnaphthalene       | 12.322 | 142  | 648807   | 24.039 | ng/u1  | 97       |

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|-------------------------------|--------|------|----------|--------|-------|----------|
| 37) 1-Methylnaphthalene       | 12.539 | 142  | 680414   | 24.642 | ng/ul | 99       |
| 39) 1,2,4,5-Tetrachloroben... | 12.692 | 216  | 404741   | 25.033 | ng/ul | 98       |
| 40) Hexachlorocyclopentadiene | 12.663 | 237  | 201028   | 17.270 | ng/ul | 96       |
| 41) 2,4,6-Trichlorophenol     | 12.934 | 196  | 269381   | 25.252 | ng/ul | 98       |
| 42) 2,4,5-Trichlorophenol     | 13.004 | 196  | 305672   | 26.454 | ng/ul | 99       |
| 43) 1,1'-Biphenyl             | 13.334 | 154  | 934934   | 25.213 | ng/ul | 98       |
| 44) 2-Chloronaphthalene       | 13.375 | 162  | 723331   | 25.070 | ng/ul | 98       |
| 45) 2-Nitroaniline            | 13.592 | 65   | 250342   | 28.897 | ng/ul | 96       |
| 47) Dimethylphthalate         | 13.969 | 163  | 1055357  | 28.306 | ng/ul | 99       |
| 48) 2,6-Dinitrotoluene        | 14.092 | 165  | 226626   | 30.659 | ng/ul | 93       |
| 50) Acenaphthylene            | 14.228 | 152  | 1164158  | 26.671 | ng/ul | 98       |
| 51) 3-Nitroaniline            | 14.416 | 138  | 205672   | 30.910 | ng/ul | 98       |
| 52) Acenaphthene              | 14.569 | 153  | 805017   | 26.568 | ng/ul | 98       |
| 53) 2,4-Dinitrophenol         | 14.622 | 184  | 128263   | 24.683 | ng/ul | 95       |
| 55) 4-Nitrophenol             | 14.728 | 109  | 32539    | 5.620  | ng/ul | 97       |
| 56) Dibenzofuran              | 14.904 | 168  | 1198838  | 27.735 | ng/ul | 100      |
| 57) 2,4-Dinitrotoluene        | 14.875 | 165  | 331533   | 31.701 | ng/ul | 95       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.128 | 232  | 292567   | 28.391 | ng/ul | 95       |
| 59) Diethylphthalate          | 15.328 | 149  | 1103965  | 29.799 | ng/ul | 98       |
| 61) Fluorene                  | 15.551 | 166  | 1010189  | 28.577 | ng/ul | 97       |
| 62) 4-Chlorophenyl-phenyle... | 15.545 | 204  | 536696   | 28.941 | ng/ul | 98       |
| 63) 4-Nitroaniline            | 15.586 | 138  | 221340   | 36.651 | ng/ul | 100      |
| 66) 4,6-Dinitro-2-methylph... | 15.639 | 198  | 203314   | 28.755 | ng/ul | 97       |
| 67) N-Nitrosodiphenylamine    | 15.763 | 169  | 893329   | 29.812 | ng/ul | 98       |
| 68) 4-Bromophenyl-phenylether | 16.445 | 248  | 361146   | 29.713 | ng/ul | 94       |
| 69) Hexachlorobenzene         | 16.551 | 284  | 418352   | 29.793 | ng/ul | 91       |
| 70) Atrazine                  | 16.722 | 200  | 317228   | 26.348 | ng/ul | 99       |
| 71) Pentachlorophenol         | 16.898 | 266  | 258138   | 28.712 | ng/ul | 100      |
| 72) Phenanthrene              | 17.292 | 178  | 1685095  | 30.149 | ng/ul | 99       |
| 74) Anthracene                | 17.386 | 178  | 1682947  | 30.210 | ng/ul | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 13.298 | 216  | 405972   | 25.427 | ng/ul | 94       |
| 76) Pentachlorobenzene        | 14.822 | 250  | 457355   | 28.724 | ng/ul | 97       |
| 77) Carbazole                 | 17.663 | 167  | 1495715  | 30.640 | ng/ul | 99       |
| 78) Di-n-butylphthalate       | 18.221 | 149  | 1928941  | 18.436 | ng/ul | 100      |
| 80) Fluoranthene              | 19.310 | 202  | 1996247  | 31.064 | ng/ul | 100      |
| 82) Pyrene                    | 19.674 | 202  | 2033040  | 31.103 | ng/ul | 100      |
| 83) Butylbenzylphthalate      | 20.574 | 149  | 850565   | 31.201 | ng/ul | 98       |
| 84) 3,3'-Dichlorobenzidine    | 21.362 | 252  | 455292   | 21.380 | ng/ul | 96       |
| 85) Benzo(a)anthracene        | 21.427 | 228  | 1935794  | 30.809 | ng/ul | 99       |
| 86) Bis(2-ethylhexyl)phtha... | 21.357 | 149  | 1276269  | 31.734 | ng/ul | 97       |
| 87) Chrysene                  | 21.480 | 228  | 1795877  | 30.976 | ng/ul | 99       |
| 89) Di-n-octyl phthalate      | 22.274 | 149  | 1990290  | 31.066 | ng/ul | 100      |
| 90) Benzo(b)fluoranthene      | 23.115 | 252  | 1796595  | 30.584 | ng/ul | 100      |
| 91) Benzo(k)fluoranthene      | 23.162 | 252  | 1721604  | 31.035 | ng/ul | 98       |
| 93) Benzo(a)pyrene            | 23.733 | 252  | 1503332  | 30.419 | ng/ul | 97       |
| 94) Indeno(1,2,3-cd)pyrene    | 26.321 | 276  | 1790869  | 30.030 | ng/ul | 99       |
| 95) Dibenzo(a,h)anthracene    | 26.345 | 278  | 1502259  | 30.458 | ng/ul | 99       |
| 96) Benzo(g,h,i)perylene      | 27.097 | 276  | 1476357  | 31.440 | ng/ul | 97       |

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

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