

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN012023\  
 Data File : BN023737.D  
 Acq On : 20 Jan 2023 21:50  
 Operator : CG/JU  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SSTD020388

Manual Integrations  
 APPROVED

Reviewed By :Jagrut Upadhyay 01/23/2023  
 Supervised By :Yogesh Patel 01/24/2023

Quant Time: Jan 20 23:29:09 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-BN010523.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Jan 20 23:02:18 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.893  | 152  | 222707   | 20.000 | ng/ul | 0.00     |
| 20) Naphthalene-d8            | 10.704 | 136  | 1002991  | 20.000 | ng/ul | 0.00     |
| 38) Acenaphthene-d10          | 14.540 | 164  | 636762   | 20.000 | ng/ul | 0.00     |
| 64) Phenanthrene-d10          | 17.286 | 188  | 1229647  | 20.000 | ng/ul | 0.00     |
| 79) Chrysene-d12              | 21.480 | 240  | 1267473  | 20.000 | ng/ul | 0.00     |
| 88) Perylene-d12              | 23.898 | 264  | 1236197  | 20.000 | ng/ul | -0.01    |
|                               |        |      |          |        |       |          |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 3) 1,4-Dioxane-d8             | 3.275  | 96   | 44890    | 8.674  | ng/uL | 0.00     |
| 4) Pyridine-d5                | 3.699  | 84   | 309276   | 19.918 | ng/ul | 0.00     |
| 7) Phenol-d5                  | 7.058  | 99   | 345850   | 17.522 | ng/ul | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.222  | 67   | 236760   | 19.553 | ng/ul | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.422  | 132  | 299871   | 19.837 | ng/ul | 0.00     |
| 15) 4-Methylphenol-d8         | 8.605  | 113  | 289741   | 18.391 | ng/ul | 0.00     |
| 21) Nitrobenzene-d5           | 9.063  | 128  | 144333   | 19.083 | ng/ul | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.787  | 143  | 155318   | 19.399 | ng/ul | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.322 | 165  | 263937   | 17.283 | ng/ul | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.846 | 131  | 403907   | 16.814 | ng/ul | 0.00     |
| 46) Dimethylphthalate-d6      | 13.951 | 166  | 874617   | 18.464 | ng/ul | 0.00     |
| 49) Acenaphthylene-d8         | 14.234 | 160  | 996781   | 18.992 | ng/ul | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.740 | 143  | 167345   | 17.354 | ng/ul | 0.00     |
| 60) Fluorene-d10              | 15.534 | 176  | 744438   | 18.393 | ng/ul | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.651 | 200  | 133438   | 17.989 | ng/ul | 0.00     |
| 73) Anthracene-d10            | 17.386 | 188  | 1032560  | 18.765 | ng/ul | 0.00     |
| 81) Pyrene-d10                | 19.680 | 212  | 1217551  | 16.797 | ng/ul | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.745 | 264  | 1150333  | 18.817 | ng/ul | -0.01    |
|                               |        |      |          |        |       |          |
| Target Compounds              |        |      |          |        |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.311  | 88   | 46628    | 8.535  | ng/uL | 99       |
| 5) Pyridine                   | 3.717  | 79   | 319492   | 20.099 | ng/ul | 98       |
| 6) Benzaldehyde               | 7.028  | 77   | 156364   | 20.455 | ng/ul | 99       |
| 8) Phenol                     | 7.081  | 94   | 360214   | 17.928 | ng/ul | 99       |
| 10) Bis(2-Chloroethyl)ether   | 7.316  | 93   | 302874   | 19.078 | ng/ul | 99       |
| 12) 2-Chlorophenol            | 7.452  | 128  | 310428   | 19.872 | ng/ul | 99       |
| 13) 2-Methylphenol            | 8.340  | 108  | 285047   | 18.852 | ng/ul | 97       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.422  | 45   | 418083   | 19.691 | ng/ul | 99       |
| 16) Acetophenone              | 8.722  | 105  | 458719   | 18.839 | ng/ul | 99       |
| 17) N-Nitroso-di-n-propyla... | 8.710  | 70   | 240512   | 19.617 | ng/ul | 99       |
| 18) 4-Methylphenol            | 8.669  | 108  | 310490   | 18.647 | ng/ul | 99       |
| 19) Hexachloroethane          | 8.975  | 117  | 123395   | 19.750 | ng/ul | 94       |
| 22) Nitrobenzene              | 9.105  | 77   | 338556   | 17.885 | ng/ul | 99       |
| 23) Isophorone                | 9.628  | 82   | 656042   | 19.163 | ng/ul | 99       |
| 25) 2-Nitrophenol             | 9.816  | 139  | 167206   | 18.788 | ng/ul | 95       |
| 26) 2,4-Dimethylphenol        | 9.875  | 107  | 332257   | 18.396 | ng/ul | 98       |
| 27) Bis(2-Chloroethoxy)met... | 10.116 | 93   | 404229   | 18.204 | ng/ul | 99       |
| 29) 2,4-Dichlorophenol        | 10.346 | 162  | 264981   | 17.341 | ng/ul | 97       |
| 30) Naphthalene               | 10.752 | 128  | 982881   | 18.229 | ng/ul | 100      |
| 32) 4-Chloroaniline           | 10.869 | 127  | 415954   | 17.289 | ng/ul | 97       |
| 33) Hexachlorobutadiene       | 11.034 | 225  | 165546   | 17.515 | ng/ul | 96       |
| 34) Caprolactam               | 11.640 | 113  | 84576m   | 16.480 | ng/ul |          |
| 35) 4-Chloro-3-methylphenol   | 11.993 | 107  | 307141   | 18.434 | ng/ul | 98       |
| 36) 2-Methylnaphthalene       | 12.363 | 142  | 638623   | 17.768 | ng/ul | 96       |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN012023\  
 Data File : BN023737.D  
 Acq On : 20 Jan 2023 21:50  
 Operator : CG/JU  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

## Instrument :

BNA\_N

## ClientSampleId :

SSTD020388

## Manual Integrations

## APPROVED

Reviewed By :Jagrut Upadhyay 01/23/2023

Supervised By :Yogesh Patel 01/24/2023

Quant Time: Jan 20 23:29:09 2023

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-BN010523.M

Quant Title : SVOA CALIBRATION

QLast Update : Fri Jan 20 23:02:18 2023

Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 37) 1-Methylnaphthalene       | 12.581 | 142  | 670989   | 18.272 | ng/ul  | 97       |
| 39) 1,2,4,5-Tetrachloroben... | 12.734 | 216  | 310400   | 16.482 | ng/ul  | 99       |
| 40) Hexachlorocyclopentadiene | 12.710 | 237  | 207099   | 17.448 | ng/ul  | 98       |
| 41) 2,4,6-Trichlorophenol     | 12.975 | 196  | 209251   | 16.856 | ng/ul  | 93       |
| 42) 2,4,5-Trichlorophenol     | 13.040 | 196  | 229547   | 16.908 | ng/ul  | 90       |
| 43) 1,1'-Biphenyl             | 13.375 | 154  | 891450   | 18.146 | ng/ul  | 99       |
| 44) 2-Chloronaphthalene       | 13.416 | 162  | 689476   | 18.090 | ng/ul  | 99       |
| 45) 2-Nitroaniline            | 13.628 | 65   | 207251   | 19.718 | ng/ul  | 99       |
| 47) Dimethylphthalate         | 13.998 | 163  | 884429   | 18.581 | ng/ul  | 99       |
| 48) 2,6-Dinitrotoluene        | 14.122 | 165  | 172176   | 19.134 | ng/ul  | 98       |
| 50) Acenaphthylene            | 14.263 | 152  | 1097028  | 18.799 | ng/ul  | 99       |
| 51) 3-Nitroaniline            | 14.451 | 138  | 163305   | 18.111 | ng/ul  | 98       |
| 52) Acenaphthene              | 14.604 | 153  | 757326   | 18.407 | ng/ul  | 100      |
| 53) 2,4-Dinitrophenol         | 14.657 | 184  | 69666    | 11.846 | ng/ul  | 97       |
| 55) 4-Nitrophenol             | 14.751 | 109  | 135576   | 17.409 | ng/ul  | 99       |
| 56) Dibenzofuran              | 14.940 | 168  | 1019712  | 17.806 | ng/ul  | 95       |
| 57) 2,4-Dinitrotoluene        | 14.904 | 165  | 249566   | 18.998 | ng/ul  | 96       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.163 | 232  | 208602   | 17.932 | ng/ul  | 98       |
| 59) Diethylphthalate          | 15.363 | 149  | 888396   | 18.633 | ng/ul  | 98       |
| 61) Fluorene                  | 15.587 | 166  | 844369   | 18.208 | ng/ul  | 99       |
| 62) 4-Chlorophenyl-phenyle... | 15.581 | 204  | 405737   | 17.972 | ng/ul  | 97       |
| 63) 4-Nitroaniline            | 15.610 | 138  | 156873   | 18.896 | ng/ul  | 99       |
| 66) 4,6-Dinitro-2-methylph... | 15.669 | 198  | 134489   | 18.372 | ng/ul  | 100      |
| 67) N-Nitrosodiphenylamine    | 15.798 | 169  | 723264   | 20.959 | ng/ul  | 100      |
| 68) 4-Bromophenyl-phenylether | 16.475 | 248  | 238966   | 19.388 | ng/ul  | 95       |
| 69) Hexachlorobenzene         | 16.587 | 284  | 276818   | 19.165 | ng/ul  | 98       |
| 70) Atrazine                  | 16.751 | 200  | 241973   | 18.736 | ng/ul  | 99       |
| 71) Pentachlorophenol         | 16.934 | 266  | 163784   | 17.768 | ng/ul  | 94       |
| 72) Phenanthrene              | 17.328 | 178  | 1206804  | 18.316 | ng/ul  | 100      |
| 74) Anthracene                | 17.422 | 178  | 1247133  | 19.019 | ng/ul  | 100      |
| 75) 1,2,3,4-Tetrachloroben... | 13.340 | 216  | 325047   | 19.634 | ng/uL  | 100      |
| 76) Pentachlorobenzene        | 14.857 | 250  | 339252   | 20.458 | ng/uL  | 95       |
| 77) Carbazole                 | 17.692 | 167  | 1174673  | 19.729 | ng/ul  | 99       |
| 78) Di-n-butylphthalate       | 18.251 | 149  | 1421102  | 20.103 | ng/ul  | 100      |
| 80) Fluoranthene              | 19.345 | 202  | 1408415  | 16.612 | ng/ul  | 99       |
| 82) Pyrene                    | 19.710 | 202  | 1479126  | 16.517 | ng/ul  | 100      |
| 83) Butylbenzylphthalate      | 20.610 | 149  | 667151   | 18.817 | ng/ul  | 96       |
| 84) 3,3'-Dichlorobenzidine    | 21.398 | 252  | 514317   | 18.576 | ng/ul# | 91       |
| 85) Benzo(a)anthracene        | 21.463 | 228  | 1555009  | 18.112 | ng/ul  | 98       |
| 86) Bis(2-ethylhexyl)phtha... | 21.386 | 149  | 999468   | 19.416 | ng/ul# | 98       |
| 87) Chrysene                  | 21.516 | 228  | 1479858  | 18.383 | ng/ul  | 97       |
| 89) Di-n-octyl phthalate      | 22.316 | 149  | 1595899  | 18.705 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 23.163 | 252  | 1492331  | 18.951 | ng/ul  | 99       |
| 91) Benzo(k)fluoranthene      | 23.216 | 252  | 1467368  | 18.840 | ng/ul  | 97       |
| 93) Benzo(a)pyrene            | 23.786 | 252  | 1264695  | 18.519 | ng/ul  | 99       |
| 94) Indeno(1,2,3-cd)pyrene    | 26.433 | 276  | 1463898  | 17.345 | ng/ul  | 97       |
| 95) Dibenzo(a,h)anthracene    | 26.445 | 278  | 1201604  | 17.218 | ng/ul  | 96       |
| 96) Benzo(g,h,i)perylene      | 27.198 | 276  | 1134515  | 16.879 | ng/ul  | 97       |

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

