

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN010523\  
 Data File : BN023554.D  
 Acq On : 04 Jan 2023 15:57  
 Operator : CG/JU  
 Sample : SST01054  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

## Instrument :

BNA\_N

## ClientSampleId :

SSTD010218

## Manual Integrations

## APPROVED

Reviewed By :Jagrut Upadhyay 01/05/2023  
 Supervised By :mohammad ahmed 01/06/2023

Quant Time: Jan 05 02:36:26 2023

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

Quant Title : SVOA CALIBRATION

QLast Update : Thu Jan 05 02:34:34 2023

Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.952  | 152  | 160042   | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.769 | 136  | 696207   | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.604 | 164  | 440889   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.351 | 188  | 971660   | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.539 | 240  | 959926   | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 23.968 | 264  | 957977   | 20.000 | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.299  | 96   | 15982    | 4.132  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.734  | 84   | 105881   | 9.273  | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 7.111  | 99   | 132889   | 8.928  | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.275  | 67   | 88571    | 10.225 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.475  | 132  | 109315   | 9.746  | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.663  | 113  | 107460   | 8.992  | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 9.122  | 128  | 51521    | 9.578  | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.846  | 143  | 51901    | 9.161  | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.387 | 165  | 104721   | 9.791  | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.904 | 131  | 168417   | 9.786  | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 14.016 | 166  | 336883   | 10.196 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.298 | 160  | 366789   | 9.899  | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.798 | 143  | 61196    | 8.293  | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.592 | 176  | 295710   | 10.507 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.716 | 200  | 47074    | 8.230  | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.451 | 188  | 449685   | 10.327 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.745 | 212  | 552556   | 10.582 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.810 | 264  | 482732   | 10.281 | ng/u1  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.334  | 88   | 16788m   | 4.188  | ng/uL  |          |
| 5) Pyridine                   | 3.752  | 79   | 112327   | 9.627  | ng/u1  | 98       |
| 6) Benzaldehyde               | 7.081  | 77   | 55435    | 10.397 | ng/u1  | 98       |
| 8) Phenol                     | 7.134  | 94   | 140777   | 9.363  | ng/u1  | 99       |
| 10) Bis(2-Chloroethyl)ether   | 7.369  | 93   | 116688   | 9.992  | ng/u1  | 98       |
| 12) 2-Chlorophenol            | 7.511  | 128  | 112362   | 9.754  | ng/u1  | 99       |
| 13) 2-Methylphenol            | 8.399  | 108  | 102819   | 8.988  | ng/u1  | 99       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.487  | 45   | 156046   | 10.551 | ng/u1  | 96       |
| 16) Acetophenone              | 8.781  | 105  | 177897   | 9.838  | ng/u1  | 98       |
| 17) N-Nitroso-di-n-propyla... | 8.763  | 70   | 87584    | 9.673  | ng/u1  | 100      |
| 18) 4-Methylphenol            | 8.728  | 108  | 114788   | 9.042  | ng/u1  | 100      |
| 19) Hexachloroethane          | 9.034  | 117  | 45339    | 10.219 | ng/u1  | 97       |
| 22) Nitrobenzene              | 9.163  | 77   | 133036   | 10.314 | ng/u1  | 97       |
| 23) Isophorone                | 9.693  | 82   | 233859   | 9.613  | ng/u1  | 99       |
| 25) 2-Nitrophenol             | 9.881  | 139  | 60221    | 9.746  | ng/u1  | 97       |
| 26) 2,4-Dimethylphenol        | 9.940  | 107  | 127467   | 10.191 | ng/u1  | 97       |
| 27) Bis(2-Chloroethoxy)met... | 10.175 | 93   | 158149   | 10.162 | ng/u1  | 99       |
| 29) 2,4-Dichlorophenol        | 10.410 | 162  | 107616   | 10.168 | ng/u1  | 96       |
| 30) Naphthalene               | 10.816 | 128  | 390195   | 10.491 | ng/u1  | 99       |
| 32) 4-Chloroaniline           | 10.934 | 127  | 174718   | 10.176 | ng/u1  | 97       |
| 33) Hexachlorobutadiene       | 11.099 | 225  | 68963    | 11.430 | ng/u1  | 96       |
| 34) Caprolactam               | 11.710 | 113  | 29152    | 7.084  | ng/u1  | 96       |
| 35) 4-Chloro-3-methylphenol   | 12.057 | 107  | 113484   | 9.467  | ng/u1  | 95       |
| 36) 2-Methylnaphthalene       | 12.428 | 142  | 257393   | 10.268 | ng/u1  | 94       |

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| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 37) 1-Methylnaphthalene       | 12.646 | 142  | 265378   | 10.273 | ng/u1  | 100      |
| 39) 1,2,4,5-Tetrachloroben... | 12.798 | 216  | 133239   | 10.685 | ng/u1  | 98       |
| 40) Hexachlorocyclopentadiene | 12.775 | 237  | 69386    | 9.250  | ng/u1  | 94       |
| 41) 2,4,6-Trichlorophenol     | 13.040 | 196  | 84944    | 9.903  | ng/u1  | 97       |
| 42) 2,4,5-Trichlorophenol     | 13.104 | 196  | 92183    | 9.710  | ng/u1  | 94       |
| 43) 1,1'-Biphenyl             | 13.440 | 154  | 356036   | 10.687 | ng/u1  | 98       |
| 44) 2-Chloronaphthalene       | 13.481 | 162  | 275733   | 10.628 | ng/u1  | 99       |
| 45) 2-Nitroaniline            | 13.687 | 65   | 67833    | 9.023  | ng/u1  | 98       |
| 47) Dimethylphthalate         | 14.057 | 163  | 341425   | 10.241 | ng/u1  | 99       |
| 48) 2,6-Dinitrotoluene        | 14.187 | 165  | 57716    | 8.942  | ng/u1  | 97       |
| 50) Acenaphthylene            | 14.328 | 152  | 422604   | 10.372 | ng/u1  | 98       |
| 51) 3-Nitroaniline            | 14.510 | 138  | 55384    | 8.427  | ng/u1  | 99       |
| 52) Acenaphthene              | 14.669 | 153  | 300538   | 10.610 | ng/u1  | 96       |
| 53) 2,4-Dinitrophenol         | 14.716 | 184  | 27645    | 6.721  | ng/u1  | 96       |
| 55) 4-Nitrophenol             | 14.816 | 109  | 51809    | 9.493  | ng/u1  | 96       |
| 56) Dibenzofuran              | 14.998 | 168  | 424222   | 10.756 | ng/u1  | 99       |
| 57) 2,4-Dinitrotoluene        | 14.969 | 165  | 87786    | 9.213  | ng/u1  | 98       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.228 | 232  | 80843    | 9.836  | ng/u1  | 99       |
| 59) Diethylphthalate          | 15.422 | 149  | 338823   | 10.216 | ng/u1  | 99       |
| 61) Fluorene                  | 15.651 | 166  | 348681   | 10.917 | ng/u1  | 97       |
| 62) 4-Chlorophenyl-phenyle... | 15.645 | 204  | 169963   | 11.103 | ng/u1  | 93       |
| 63) 4-Nitroaniline            | 15.669 | 138  | 46697    | 7.296  | ng/u1  | 94       |
| 66) 4,6-Dinitro-2-methylph... | 15.728 | 198  | 49631    | 8.888  | ng/u1# | 91       |
| 67) N-Nitrosodiphenylamine    | 15.857 | 169  | 289464   | 10.764 | ng/u1  | 98       |
| 68) 4-Bromophenyl-phenylether | 16.539 | 248  | 100701   | 10.741 | ng/u1  | 98       |
| 69) Hexachlorobenzene         | 16.651 | 284  | 118664   | 10.825 | ng/u1  | 96       |
| 70) Atrazine                  | 16.810 | 200  | 99576    | 10.133 | ng/u1  | 99       |
| 71) Pentachlorophenol         | 16.998 | 266  | 64438    | 8.903  | ng/u1  | 96       |
| 72) Phenanthrene              | 17.392 | 178  | 559947   | 10.891 | ng/u1  | 99       |
| 74) Anthracene                | 17.486 | 178  | 554557   | 10.810 | ng/u1  | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 13.404 | 216  | 132301   | 10.949 | ng/uL  | 98       |
| 76) Pentachlorobenzene        | 14.922 | 250  | 137185   | 11.204 | ng/uL  | 97       |
| 77) Carbazole                 | 17.757 | 167  | 499760   | 10.579 | ng/u1  | 98       |
| 78) Di-n-butylphthalate       | 18.322 | 149  | 571373   | 10.187 | ng/u1  | 99       |
| 80) Fluoranthene              | 19.410 | 202  | 636092   | 10.474 | ng/u1  | 99       |
| 82) Pyrene                    | 19.775 | 202  | 695704   | 10.905 | ng/u1  | 99       |
| 83) Butylbenzylphthalate      | 20.674 | 149  | 245420   | 9.296  | ng/u1  | 99       |
| 84) 3,3'-Dichlorobenzidine    | 21.457 | 252  | 202568   | 9.603  | ng/u1  | 99       |
| 85) Benzo(a)anthracene        | 21.522 | 228  | 662635   | 10.303 | ng/u1  | 99       |
| 86) Bis(2-ethylhexyl)phtha... | 21.451 | 149  | 365222   | 9.784  | ng/u1  | 100      |
| 87) Chrysene                  | 21.580 | 228  | 619717   | 10.211 | ng/u1  | 99       |
| 89) Di-n-octyl phthalate      | 22.380 | 149  | 585359   | 10.090 | ng/u1  | 100      |
| 90) Benzo(b)fluoranthene      | 23.221 | 252  | 647271   | 10.712 | ng/u1  | 98       |
| 91) Benzo(k)fluoranthene      | 23.268 | 252  | 641373   | 11.154 | ng/u1  | 97       |
| 93) Benzo(a)pyrene            | 23.857 | 252  | 554170   | 10.672 | ng/u1  | 99       |
| 94) Indeno(1,2,3-cd)pyrene    | 26.498 | 276  | 674568   | 10.254 | ng/u1  | 99       |
| 95) Dibenzo(a,h)anthracene    | 26.515 | 278  | 554726   | 10.342 | ng/u1  | 99       |
| 96) Benzo(g,h,i)perylene      | 27.268 | 276  | 542756   | 10.428 | ng/u1  | 98       |

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

