

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN060524\  
 Data File : BN031811.D  
 Acq On : 05 Jun 2024 22:23  
 Operator : MA/JU  
 Sample : SSTDCCC020EC  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SSTD020275

Quant Time: Jun 06 00:38:16 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-BN052924.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed May 29 15:13:07 2024  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 06/06/2024  
 Supervised By :mohammad ahmed 06/07/2024

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.675  | 152  | 367845   | 20.000 | ng/ul | -0.01    |
| 20) Naphthalene-d8            | 10.457 | 136  | 1757902  | 20.000 | ng/ul | -0.01    |
| 38) Acenaphthene-d10          | 14.316 | 164  | 1165465  | 20.000 | ng/ul | -0.01    |
| 64) Phenanthrene-d10          | 17.063 | 188  | 2481456  | 20.000 | ng/ul | 0.00     |
| 79) Chrysene-d12              | 21.298 | 240  | 2488416  | 20.000 | ng/ul | 0.00     |
| 88) Perylene-d12              | 24.239 | 264  | 2889128  | 20.000 | ng/ul | 0.00     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 3) 1,4-Dioxane-d8             | 3.181  | 96   | 57958    | 6.518  | ng/uL | -0.01    |
| 4) Pyridine-d5                | 3.587  | 84   | 456318   | 18.231 | ng/ul | -0.01    |
| 7) Phenol-d5                  | 6.846  | 99   | 625707   | 19.842 | ng/ul | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.011  | 67   | 341923   | 18.537 | ng/ul | -0.02    |
| 11) 2-Chlorophenol-d4         | 7.205  | 132  | 461501   | 19.180 | ng/ul | -0.01    |
| 15) 4-Methylphenol-d8         | 8.381  | 113  | 507561   | 19.745 | ng/ul | 0.00     |
| 21) Nitrobenzene-d5           | 8.828  | 128  | 251367   | 18.702 | ng/ul | -0.01    |
| 24) 2-Nitrophenol-d4          | 9.546  | 143  | 270724   | 19.499 | ng/ul | -0.01    |
| 28) 2,4-Dichlorophenol-d3     | 10.081 | 165  | 479793   | 18.510 | ng/ul | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.599 | 131  | 735940   | 19.123 | ng/ul | -0.01    |
| 46) Dimethylphthalate-d6      | 13.734 | 166  | 1461924  | 18.005 | ng/ul | -0.01    |
| 49) Acenaphthylene-d8         | 14.010 | 160  | 1729057  | 18.520 | ng/ul | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.528 | 143  | 325533   | 20.025 | ng/ul | 0.00     |
| 60) Fluorene-d10              | 15.310 | 176  | 1269666  | 18.482 | ng/ul | -0.01    |
| 65) 4,6-Dinitro-2-methylph... | 15.440 | 200  | 244524   | 19.604 | ng/ul | 0.00     |
| 73) Anthracene-d10            | 17.163 | 188  | 1981928  | 18.656 | ng/ul | 0.00     |
| 81) Pyrene-d10                | 19.463 | 212  | 2385737  | 17.916 | ng/ul | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.039 | 264  | 2491802  | 18.062 | ng/ul | 0.00     |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.217  | 88   | 60581    | 6.368  | ng/uL | 99       |
| 5) Pyridine                   | 3.605  | 79   | 457981   | 18.300 | ng/ul | 98       |
| 6) Benzaldehyde               | 6.822  | 77   | 254093   | 17.179 | ng/ul | 99       |
| 8) Phenol                     | 6.869  | 94   | 639996   | 19.942 | ng/ul | 99       |
| 10) Bis(2-Chloroethyl)ether   | 7.105  | 93   | 502434   | 18.933 | ng/ul | 95       |
| 12) 2-Chlorophenol            | 7.240  | 128  | 482603   | 19.166 | ng/ul | 99       |
| 13) 2-Methylphenol            | 8.116  | 108  | 483116   | 19.490 | ng/ul | 98       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.199  | 45   | 555260   | 18.177 | ng/ul | 98       |
| 16) Acetophenone              | 8.493  | 105  | 789707   | 20.271 | ng/ul | 100      |
| 17) N-Nitroso-di-n-propyla... | 8.481  | 70   | 389320   | 19.286 | ng/ul | 97       |
| 18) 4-Methylphenol            | 8.440  | 108  | 537036   | 19.987 | ng/ul | 99       |
| 19) Hexachloroethane          | 8.740  | 117  | 192507   | 18.054 | ng/ul | 95       |
| 22) Nitrobenzene              | 8.869  | 77   | 586078   | 18.302 | ng/ul | 98       |
| 23) Isophorone                | 9.393  | 82   | 1168764  | 17.792 | ng/ul | 100      |
| 25) 2-Nitrophenol             | 9.575  | 139  | 291138   | 19.193 | ng/ul | 98       |
| 26) 2,4-Dimethylphenol        | 9.640  | 107  | 526714   | 17.849 | ng/ul | 98       |
| 27) Bis(2-Chloroethoxy)met... | 9.875  | 93   | 715184   | 17.469 | ng/ul | 99       |
| 29) 2,4-Dichlorophenol        | 10.105 | 162  | 482926   | 18.869 | ng/ul | 97       |
| 30) Naphthalene               | 10.505 | 128  | 1674283  | 18.403 | ng/ul | 99       |
| 32) 4-Chloroaniline           | 10.622 | 127  | 715336   | 19.145 | ng/ul | 97       |
| 33) Hexachlorobutadiene       | 10.781 | 225  | 280027   | 18.217 | ng/ul | 93       |
| 34) Caprolactam               | 11.399 | 113  | 205989m  | 20.620 | ng/ul |          |
| 35) 4-Chloro-3-methylphenol   | 11.752 | 107  | 568873   | 19.016 | ng/ul | 98       |
| 36) 2-Methylnaphthalene       | 12.122 | 142  | 1154579  | 18.566 | ng/ul | 99       |

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## Instrument :

BNA\_N

## ClientSampleId :

SSTD020275

## Manual Integrations

## APPROVED

Reviewed By :Jagrut Upadhyay 06/06/2024  
 Supervised By :mohammad ahmed 06/07/2024

Quant Time: Jun 06 00:38:16 2024

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-BN052924.MA.M

Quant Title : SVOA CALIBRATION

QLast Update : Wed May 29 15:13:07 2024

Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 37) 1-Methylnaphthalene       | 12.346 | 142  | 1149880  | 18.429 | ng/ul | 98       |
| 39) 1,2,4,5-Tetrachloroben... | 12.493 | 216  | 571997   | 18.558 | ng/ul | 99       |
| 40) Hexachlorocyclopentadiene | 12.469 | 237  | 440132   | 24.776 | ng/ul | 94       |
| 41) 2,4,6-Trichlorophenol     | 12.740 | 196  | 397443   | 18.998 | ng/ul | 97       |
| 42) 2,4,5-Trichlorophenol     | 12.810 | 196  | 434071   | 19.093 | ng/ul | 95       |
| 43) 1,1'-Biphenyl             | 13.146 | 154  | 1509511  | 18.414 | ng/ul | 98       |
| 44) 2-Chloronaphthalene       | 13.187 | 162  | 1183844  | 18.438 | ng/ul | 99       |
| 45) 2-Nitroaniline            | 13.398 | 65   | 349901   | 18.800 | ng/ul | 91       |
| 47) Dimethylphthalate         | 13.781 | 163  | 1513619  | 18.228 | ng/ul | 100      |
| 48) 2,6-Dinitrotoluene        | 13.904 | 165  | 316245   | 19.160 | ng/ul | 99       |
| 50) Acenaphthylene            | 14.040 | 152  | 1976959  | 18.737 | ng/ul | 99       |
| 51) 3-Nitroaniline            | 14.228 | 138  | 328852   | 18.635 | ng/ul | 99       |
| 52) Acenaphthene              | 14.381 | 153  | 1294631  | 18.545 | ng/ul | 98       |
| 53) 2,4-Dinitrophenol         | 14.440 | 184  | 232148   | 27.860 | ng/ul | 97       |
| 55) 4-Nitrophenol             | 14.540 | 109  | 289423   | 24.000 | ng/ul | 96       |
| 56) Dibenzofuran              | 14.716 | 168  | 1762429  | 18.581 | ng/ul | 97       |
| 57) 2,4-Dinitrotoluene        | 14.693 | 165  | 476217   | 19.663 | ng/ul | 99       |
| 58) 2,3,4,6-Tetrachlorophenol | 14.945 | 232  | 364463   | 19.166 | ng/ul | 99       |
| 59) Diethylphthalate          | 15.151 | 149  | 1543120  | 18.009 | ng/ul | 100      |
| 61) Fluorene                  | 15.369 | 166  | 1438729  | 18.837 | ng/ul | 99       |
| 62) 4-Chlorophenyl-phenyle... | 15.369 | 204  | 696934   | 18.839 | ng/ul | 99       |
| 63) 4-Nitroaniline            | 15.393 | 138  | 336907   | 20.054 | ng/ul | 99       |
| 66) 4,6-Dinitro-2-methylph... | 15.457 | 198  | 266532   | 20.101 | ng/ul | 98       |
| 67) N-Nitrosodiphenylamine    | 15.581 | 169  | 1254129  | 18.336 | ng/ul | 99       |
| 68) 4-Bromophenyl-phenylether | 16.257 | 248  | 434608   | 18.076 | ng/ul | 97       |
| 69) Hexachlorobenzene         | 16.369 | 284  | 503748   | 18.486 | ng/ul | 97       |
| 70) Atrazine                  | 16.540 | 200  | 383178   | 17.743 | ng/ul | 99       |
| 71) Pentachlorophenol         | 16.716 | 266  | 334027   | 19.159 | ng/ul | 92       |
| 72) Phenanthrene              | 17.104 | 178  | 2338392  | 18.499 | ng/ul | 98       |
| 74) Anthracene                | 17.198 | 178  | 2444572  | 19.085 | ng/ul | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 13.104 | 216  | 572793   | 17.934 | ng/ul | 97       |
| 76) Pentachlorobenzene        | 14.634 | 250  | 574170   | 18.456 | ng/ul | 96       |
| 77) Carbazole                 | 17.469 | 167  | 2263345  | 20.723 | ng/ul | 98       |
| 78) Di-n-butylphthalate       | 18.039 | 149  | 2740452  | 18.238 | ng/ul | 100      |
| 80) Fluoranthene              | 19.128 | 202  | 2828189  | 17.772 | ng/ul | 99       |
| 82) Pyrene                    | 19.492 | 202  | 2947753  | 18.054 | ng/ul | 98       |
| 83) Butylbenzylphthalate      | 20.398 | 149  | 1342473  | 17.408 | ng/ul | 94       |
| 84) 3,3'-Dichlorobenzidine    | 21.210 | 252  | 951372   | 19.937 | ng/ul | 94       |
| 85) Benzo(a)anthracene        | 21.280 | 228  | 3094648  | 18.580 | ng/ul | 97       |
| 86) Bis(2-ethylhexyl)phtha... | 21.210 | 149  | 1894917  | 16.856 | ng/ul | 97       |
| 87) Chrysene                  | 21.345 | 228  | 2867796  | 18.433 | ng/ul | 98       |
| 89) Di-n-octyl phthalate      | 22.322 | 149  | 3495244  | 18.071 | ng/ul | 100      |
| 90) Benzo(b)fluoranthene      | 23.310 | 252  | 3188182  | 18.462 | ng/ul | 100      |
| 91) Benzo(k)fluoranthene      | 23.369 | 252  | 3021376  | 17.830 | ng/ul | 99       |
| 93) Benzo(a)pyrene            | 24.098 | 252  | 2865710  | 17.718 | ng/ul | 97       |
| 94) Indeno(1,2,3-cd)pyrene    | 27.539 | 276  | 3102646m | 16.647 | ng/ul |          |
| 95) Dibenzo(a,h)anthracene    | 27.598 | 278  | 2690224  | 17.680 | ng/ul | 97       |
| 96) Benzo(g,h,i)perylene      | 28.568 | 276  | 2441191  | 16.477 | ng/ul | 98       |

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

