

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN040724\  
 Data File : BN030753.D  
 Acq On : 07 Apr 2024 23:16  
 Operator : MA/JU  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SSTD020348

Quant Time: Apr 08 02:04:42 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-BN032824.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Sun Mar 31 12:24:07 2024  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Yogesh Patel 04/08/2024  
 Supervised By :mohammad ahmed 04/09/2024

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.687  | 152  | 171484   | 20.000 | ng/u1  | -0.01    |
| 20) Naphthalene-d8            | 10.469 | 136  | 809378   | 20.000 | ng/u1  | -0.01    |
| 38) Acenaphthene-d10          | 14.328 | 164  | 568706   | 20.000 | ng/u1  | -0.01    |
| 64) Phenanthrene-d10          | 17.075 | 188  | 1250092  | 20.000 | ng/u1  | -0.01    |
| 79) Chrysene-d12              | 21.316 | 240  | 1270116  | 20.000 | ng/u1  | -0.01    |
| 88) Perylene-d12              | 24.251 | 264  | 1455866  | 20.000 | ng/u1  | -0.02    |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.187  | 96   | 29735    | 8.130  | ng/uL  | -0.01    |
| 4) Pyridine-d5                | 3.593  | 84   | 233398   | 21.283 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 6.852  | 99   | 296832   | 21.398 | ng/u1  | -0.01    |
| 9) Bis-(2-Chloroethyl)eth...  | 7.022  | 67   | 178392   | 20.820 | ng/u1  | -0.02    |
| 11) 2-Chlorophenol-d4         | 7.216  | 132  | 239250   | 22.735 | ng/u1  | -0.01    |
| 15) 4-Methylphenol-d8         | 8.387  | 113  | 253702   | 21.821 | ng/u1  | -0.01    |
| 21) Nitrobenzene-d5           | 8.840  | 128  | 124754   | 22.220 | ng/u1  | -0.01    |
| 24) 2-Nitrophenol-d4          | 9.557  | 143  | 126803   | 24.688 | ng/u1  | -0.01    |
| 28) 2,4-Dichlorophenol-d3     | 10.087 | 165  | 256523   | 22.813 | ng/u1  | -0.01    |
| 31) 4-Chloroaniline-d4        | 10.610 | 131  | 396968   | 21.444 | ng/u1  | -0.01    |
| 46) Dimethylphthalate-d6      | 13.745 | 166  | 845569   | 22.269 | ng/u1  | -0.01    |
| 49) Acenaphthylene-d8         | 14.022 | 160  | 985268   | 22.569 | ng/u1  | -0.01    |
| 54) 4-Nitrophenol-d4          | 14.534 | 143  | 163584   | 22.523 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.322 | 176  | 740382   | 22.283 | ng/u1  | -0.02    |
| 65) 4,6-Dinitro-2-methylph... | 15.445 | 200  | 115962   | 21.016 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.175 | 188  | 1196371  | 22.212 | ng/u1  | -0.01    |
| 81) Pyrene-d10                | 19.474 | 212  | 1457317  | 21.341 | ng/u1  | -0.01    |
| 92) Benzo(a)pyrene-d12        | 24.045 | 264  | 1478781  | 22.044 | ng/u1  | -0.03    |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.222  | 88   | 31429    | 8.022  | ng/uL  | 94       |
| 5) Pyridine                   | 3.616  | 79   | 233867   | 21.135 | ng/u1  | 99       |
| 6) Benzaldehyde               | 6.834  | 77   | 170665   | 26.418 | ng/u1  | 98       |
| 8) Phenol                     | 6.881  | 94   | 305205   | 21.119 | ng/u1  | 98       |
| 10) Bis(2-Chloroethyl)ether   | 7.116  | 93   | 255150   | 21.651 | ng/u1  | 98       |
| 12) 2-Chlorophenol            | 7.252  | 128  | 250648   | 22.203 | ng/u1  | 96       |
| 13) 2-Methylphenol            | 8.122  | 108  | 241730   | 21.707 | ng/u1  | 97       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.204  | 45   | 333429   | 20.093 | ng/u1  | 97       |
| 16) Acetophenone              | 8.504  | 105  | 403931   | 22.005 | ng/u1  | 99       |
| 17) N-Nitroso-di-n-propyla... | 8.493  | 70   | 201561   | 21.801 | ng/u1  | 96       |
| 18) 4-Methylphenol            | 8.451  | 108  | 268576   | 21.544 | ng/u1  | 96       |
| 19) Hexachloroethane          | 8.751  | 117  | 103389   | 21.844 | ng/u1  | 98       |
| 22) Nitrobenzene              | 8.881  | 77   | 296789   | 21.654 | ng/u1  | 100      |
| 23) Isophorone                | 9.404  | 82   | 587934   | 21.509 | ng/u1  | 99       |
| 25) 2-Nitrophenol             | 9.587  | 139  | 145506   | 24.104 | ng/u1  | 97       |
| 26) 2,4-Dimethylphenol        | 9.646  | 107  | 294601   | 21.958 | ng/u1  | 99       |
| 27) Bis(2-Chloroethoxy)met... | 9.887  | 93   | 369857   | 21.282 | ng/u1  | 99       |
| 29) 2,4-Dichlorophenol        | 10.116 | 162  | 260701   | 22.714 | ng/u1  | 99       |
| 30) Naphthalene               | 10.516 | 128  | 890305   | 21.447 | ng/u1  | 98       |
| 32) 4-Chloroaniline           | 10.634 | 127  | 385523   | 21.609 | ng/u1  | 98       |
| 33) Hexachlorobutadiene       | 10.798 | 225  | 156532   | 21.667 | ng/u1  | 96       |
| 34) Caprolactam               | 11.404 | 113  | 91788    | 21.407 | ng/u1  | 92       |
| 35) 4-Chloro-3-methylphenol   | 11.757 | 107  | 293002   | 22.666 | ng/u1  | 99       |
| 36) 2-Methylnaphthalene       | 12.134 | 142  | 633846   | 21.864 | ng/u1  | 99       |

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## ClientSampleId :

SSTD020348

## Manual Integrations

## APPROVED

Reviewed By :Yogesh Patel 04/08/2024

Supervised By :mohammad ahmed 04/09/2024

Quant Time: Apr 08 02:04:42 2024

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-BN032824.MA.M

Quant Title : SVOA CALIBRATION

QLast Update : Sun Mar 31 12:24:07 2024

Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 37) 1-Methylnaphthalene       | 12.357 | 142  | 638483   | 21.696 | ng/ul | 99       |
| 39) 1,2,4,5-Tetrachloroben... | 12.504 | 216  | 324172   | 22.088 | ng/ul | 96       |
| 40) Hexachlorocyclopentadiene | 12.481 | 237  | 160775   | 19.290 | ng/ul | 98       |
| 41) 2,4,6-Trichlorophenol     | 12.751 | 196  | 210470   | 22.949 | ng/ul | 91       |
| 42) 2,4,5-Trichlorophenol     | 12.822 | 196  | 237424   | 22.923 | ng/ul | 94       |
| 43) 1,1'-Biphenyl             | 13.157 | 154  | 842651   | 21.738 | ng/ul | 98       |
| 44) 2-Chloronaphthalene       | 13.198 | 162  | 666747   | 21.850 | ng/ul | 98       |
| 45) 2-Nitroaniline            | 13.410 | 65   | 183323   | 22.575 | ng/ul | 95       |
| 47) Dimethylphthalate         | 13.792 | 163  | 867796   | 22.125 | ng/ul | 99       |
| 48) 2,6-Dinitrotoluene        | 13.910 | 165  | 170506   | 23.446 | ng/ul | 99       |
| 50) Acenaphthylene            | 14.045 | 152  | 1136493  | 22.531 | ng/ul | 100      |
| 51) 3-Nitroaniline            | 14.239 | 138  | 180295   | 23.358 | ng/ul | 100      |
| 52) Acenaphthene              | 14.392 | 153  | 755261   | 22.468 | ng/ul | 99       |
| 53) 2,4-Dinitrophenol         | 14.445 | 184  | 63841    | 19.113 | ng/ul | 97       |
| 55) 4-Nitrophenol             | 14.545 | 109  | 127507   | 22.159 | ng/ul | 98       |
| 56) Dibenzofuran              | 14.728 | 168  | 1027414  | 21.988 | ng/ul | 98       |
| 57) 2,4-Dinitrotoluene        | 14.698 | 165  | 256708   | 24.179 | ng/ul | 94       |
| 58) 2,3,4,6-Tetrachlorophenol | 14.957 | 232  | 204962   | 23.827 | ng/ul | 97       |
| 59) Diethylphthalate          | 15.163 | 149  | 894690   | 22.453 | ng/ul | 99       |
| 61) Fluorene                  | 15.381 | 166  | 838373   | 22.573 | ng/ul | 99       |
| 62) 4-Chlorophenyl-phenyle... | 15.381 | 204  | 405505   | 22.254 | ng/ul | 99       |
| 63) 4-Nitroaniline            | 15.404 | 138  | 191661   | 25.541 | ng/ul | 98       |
| 66) 4,6-Dinitro-2-methylph... | 15.457 | 198  | 128952   | 21.750 | ng/ul | 95       |
| 67) N-Nitrosodiphenylamine    | 15.592 | 169  | 743261   | 21.832 | ng/ul | 99       |
| 68) 4-Bromophenyl-phenylether | 16.275 | 248  | 256824   | 21.635 | ng/ul | 99       |
| 69) Hexachlorobenzene         | 16.375 | 284  | 302307   | 21.627 | ng/ul | 98       |
| 70) Atrazine                  | 16.551 | 200  | 259056   | 21.954 | ng/ul | 97       |
| 71) Pentachlorophenol         | 16.722 | 266  | 184788   | 22.422 | ng/ul | 94       |
| 72) Phenanthrene              | 17.116 | 178  | 1426019  | 22.203 | ng/ul | 100      |
| 74) Anthracene                | 17.210 | 178  | 1446523  | 22.279 | ng/ul | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 13.116 | 216  | 327520   | 21.326 | ng/uL | 99       |
| 76) Pentachlorobenzene        | 14.645 | 250  | 330402   | 21.180 | ng/uL | 95       |
| 77) Carbazole                 | 17.480 | 167  | 1360088  | 23.887 | ng/ul | 99       |
| 78) Di-n-butylphthalate       | 18.051 | 149  | 1642488  | 23.646 | ng/ul | 100      |
| 80) Fluoranthene              | 19.139 | 202  | 1699672  | 20.938 | ng/ul | 97       |
| 82) Pyrene                    | 19.504 | 202  | 1795274  | 20.941 | ng/ul | 100      |
| 83) Butylbenzylphthalate      | 20.416 | 149  | 781277   | 23.864 | ng/ul | 95       |
| 84) 3,3'-Dichlorobenzidine    | 21.227 | 252  | 577062   | 24.726 | ng/ul | 100      |
| 85) Benzo(a)anthracene        | 21.292 | 228  | 1860699  | 21.951 | ng/ul | 100      |
| 86) Bis(2-ethylhexyl)phtha... | 21.227 | 149  | 1149648  | 23.811 | ng/ul | 99       |
| 87) Chrysene                  | 21.357 | 228  | 1752262  | 21.901 | ng/ul | 99       |
| 89) Di-n-octyl phthalate      | 22.339 | 149  | 1980209  | 21.478 | ng/ul | 100      |
| 90) Benzo(b)fluoranthene      | 23.321 | 252  | 1826809  | 21.321 | ng/ul | 97       |
| 91) Benzo(k)fluoranthene      | 23.380 | 252  | 1880865  | 21.616 | ng/ul | 99       |
| 93) Benzo(a)pyrene            | 24.110 | 252  | 1723004  | 21.288 | ng/ul | 98       |
| 94) Indeno(1,2,3-cd)pyrene    | 27.551 | 276  | 1942617m | 22.203 | ng/ul |          |
| 95) Dibenzo(a,h)anthracene    | 27.609 | 278  | 1633656  | 22.180 | ng/ul | 95       |
| 96) Benzo(g,h,i)perylene      | 28.574 | 276  | 1559529  | 22.705 | ng/ul | 96       |

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

