

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN031224\  
 Data File : BN030378.D  
 Acq On : 12 Mar 2024 19:21  
 Operator : MA/JU  
 Sample : PB159553BS  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SLCS553

Quant Time: Mar 12 23:59:18 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-BN030824.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Mar 08 13:57:34 2024  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 03/13/2024  
 Supervised By :mohammad ahmed 03/14/2024

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.793  | 152  | 106659   | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.587 | 136  | 442960   | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.451 | 164  | 286575   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.210 | 188  | 592167   | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.439 | 240  | 499908   | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 23.786 | 264  | 504961   | 20.000 | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.270  | 96   | 15768    | 4.989  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.670  | 84   | 217122   | 28.779 | ng/u1  | -0.01    |
| 7) Phenol-d5                  | 6.964  | 99   | 272545   | 28.800 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.140  | 67   | 151047   | 28.110 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.322  | 132  | 228504   | 30.143 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.511  | 113  | 231613   | 31.053 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 8.963  | 128  | 111825   | 30.255 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.681  | 143  | 125258   | 32.324 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.210 | 165  | 223851   | 32.391 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.740 | 131  | 302266   | 29.468 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.875 | 166  | 711293   | 30.784 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.140 | 160  | 787149   | 30.072 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.669 | 143  | 130662   | 31.894 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.451 | 176  | 578867   | 30.540 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.587 | 200  | 114073   | 30.842 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.310 | 188  | 886684   | 30.837 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.622 | 212  | 1000691  | 31.521 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.639 | 264  | 865251   | 32.714 | ng/u1  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.299  | 88   | 29621    | 9.764  | ng/uL  | 98       |
| 5) Pyridine                   | 3.693  | 79   | 200322   | 26.098 | ng/u1  | 99       |
| 6) Benzaldehyde               | 6.946  | 77   | 125911   | 28.547 | ng/u1  | 94       |
| 8) Phenol                     | 6.993  | 94   | 265441   | 28.189 | ng/u1  | 100      |
| 10) Bis(2-Chloroethyl)ether   | 7.234  | 93   | 204919   | 27.229 | ng/u1  | 99       |
| 12) 2-Chlorophenol            | 7.352  | 128  | 228140   | 29.249 | ng/u1  | 98       |
| 13) 2-Methylphenol            | 8.240  | 108  | 206861   | 29.300 | ng/u1  | 98       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.328  | 45   | 172090   | 25.149 | ng/u1  | 97       |
| 16) Acetophenone              | 8.628  | 105  | 343257   | 28.633 | ng/u1  | 98       |
| 17) N-Nitroso-di-n-propyla... | 8.616  | 70   | 172674   | 30.104 | ng/u1  | 98       |
| 18) 4-Methylphenol            | 8.575  | 108  | 218987   | 29.355 | ng/u1  | 100      |
| 19) Hexachloroethane          | 8.858  | 117  | 98657    | 27.226 | ng/u1  | 94       |
| 22) Nitrobenzene              | 9.005  | 77   | 268471   | 28.148 | ng/u1  | 97       |
| 23) Isophorone                | 9.528  | 82   | 490109   | 29.724 | ng/u1  | 99       |
| 25) 2-Nitrophenol             | 9.710  | 139  | 127836   | 30.623 | ng/u1  | 100      |
| 26) 2,4-Dimethylphenol        | 9.775  | 107  | 251446   | 29.181 | ng/u1  | 97       |
| 27) Bis(2-Chloroethoxy)met... | 10.022 | 93   | 269960   | 27.913 | ng/u1  | 96       |
| 29) 2,4-Dichlorophenol        | 10.240 | 162  | 207319   | 29.868 | ng/u1  | 99       |
| 30) Naphthalene               | 10.640 | 128  | 709405   | 28.056 | ng/u1  | 99       |
| 32) 4-Chloroaniline           | 10.763 | 127  | 211601   | 21.210 | ng/u1  | 99       |
| 33) Hexachlorobutadiene       | 10.910 | 225  | 135957   | 28.078 | ng/u1  | 96       |
| 34) Caprolactam               | 11.552 | 113  | 69663m   | 33.703 | ng/u1  |          |
| 35) 4-Chloro-3-methylphenol   | 11.893 | 107  | 257992   | 32.845 | ng/u1  | 98       |
| 36) 2-Methylnaphthalene       | 12.257 | 142  | 489244   | 29.710 | ng/u1  | 100      |

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## Manual Integrations

## APPROVED

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Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-BN030824.MA.M

Quant Title : SVOA CALIBRATION

QLast Update : Fri Mar 08 13:57:34 2024

Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 37) 1-Methylnaphthalene       | 12.481 | 142  | 486425   | 29.878 | ng/ul | 95       |
| 39) 1,2,4,5-Tetrachloroben... | 12.628 | 216  | 241087   | 26.641 | ng/ul | 96       |
| 40) Hexachlorocyclopentadiene | 12.599 | 237  | 163849   | 24.172 | ng/ul | 93       |
| 41) 2,4,6-Trichlorophenol     | 12.875 | 196  | 163891   | 28.545 | ng/ul | 98       |
| 42) 2,4,5-Trichlorophenol     | 12.946 | 196  | 184539   | 29.413 | ng/ul | 99       |
| 43) 1,1'-Biphenyl             | 13.281 | 154  | 650628   | 26.901 | ng/ul | 99       |
| 44) 2-Chloronaphthalene       | 13.322 | 162  | 504425   | 26.853 | ng/ul | 99       |
| 45) 2-Nitroaniline            | 13.540 | 65   | 164584   | 30.390 | ng/ul | 97       |
| 47) Dimethylphthalate         | 13.928 | 163  | 691682   | 29.455 | ng/ul | 98       |
| 48) 2,6-Dinitrotoluene        | 14.051 | 165  | 142100   | 31.334 | ng/ul | 98       |
| 50) Acenaphthylene            | 14.169 | 152  | 841004   | 27.615 | ng/ul | 98       |
| 51) 3-Nitroaniline            | 14.375 | 138  | 134944   | 30.367 | ng/ul | 98       |
| 52) Acenaphthene              | 14.516 | 153  | 555491   | 27.531 | ng/ul | 96       |
| 53) 2,4-Dinitrophenol         | 14.587 | 184  | 71037    | 27.877 | ng/ul | 95       |
| 55) 4-Nitrophenol             | 14.687 | 109  | 144434   | 31.097 | ng/ul | 92       |
| 56) Dibenzofuran              | 14.851 | 168  | 744118   | 27.649 | ng/ul | 96       |
| 57) 2,4-Dinitrotoluene        | 14.840 | 165  | 210917   | 32.588 | ng/ul | 97       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.081 | 232  | 148628   | 29.435 | ng/ul | 97       |
| 59) Diethylphthalate          | 15.298 | 149  | 741326   | 29.536 | ng/ul | 99       |
| 61) Fluorene                  | 15.504 | 166  | 630488   | 28.377 | ng/ul | 99       |
| 62) 4-Chlorophenyl-phenyle... | 15.510 | 204  | 298567   | 28.070 | ng/ul | 91       |
| 63) 4-Nitroaniline            | 15.545 | 138  | 148487m  | 36.091 | ng/ul |          |
| 66) 4,6-Dinitro-2-methylph... | 15.598 | 198  | 113793   | 28.513 | ng/ul | 100      |
| 67) N-Nitrosodiphenylamine    | 15.728 | 169  | 540996   | 28.956 | ng/ul | 97       |
| 68) 4-Bromophenyl-phenylether | 16.404 | 248  | 185622   | 29.257 | ng/ul | 90       |
| 69) Hexachlorobenzene         | 16.504 | 284  | 209979   | 30.221 | ng/ul | 97       |
| 70) Atrazine                  | 16.692 | 200  | 111109   | 17.280 | ng/ul | 98       |
| 71) Pentachlorophenol         | 16.857 | 266  | 129036   | 27.445 | ng/ul | 97       |
| 72) Phenanthrene              | 17.257 | 178  | 1014775  | 29.383 | ng/ul | 99       |
| 74) Anthracene                | 17.345 | 178  | 1025385  | 29.188 | ng/ul | 100      |
| 75) 1,2,3,4-Tetrachloroben... | 13.240 | 216  | 244097   | 27.613 | ng/uL | 94       |
| 76) Pentachlorobenzene        | 14.763 | 250  | 237881   | 28.856 | ng/uL | 98       |
| 77) Carbazole                 | 17.628 | 167  | 924819   | 29.643 | ng/ul | 98       |
| 78) Di-n-butylphthalate       | 18.204 | 149  | 1347220  | 31.076 | ng/ul | 100      |
| 80) Fluoranthene              | 19.286 | 202  | 1163379  | 29.906 | ng/ul | 97       |
| 82) Pyrene                    | 19.651 | 202  | 1173600  | 29.352 | ng/ul | 98       |
| 83) Butylbenzylphthalate      | 20.580 | 149  | 614345   | 32.073 | ng/ul | 97       |
| 84) 3,3'-Dichlorobenzidine    | 21.363 | 252  | 327780   | 30.172 | ng/ul | 94       |
| 85) Benzo(a)anthracene        | 21.422 | 228  | 1112628  | 29.659 | ng/ul | 99       |
| 86) Bis(2-ethylhexyl)phtha... | 21.375 | 149  | 914665   | 31.548 | ng/ul | 99       |
| 87) Chrysene                  | 21.475 | 228  | 1002451  | 28.813 | ng/ul | 98       |
| 89) Di-n-octyl phthalate      | 22.298 | 149  | 1522708  | 32.214 | ng/ul | 100      |
| 90) Benzo(b)fluoranthene      | 23.080 | 252  | 1055863  | 31.713 | ng/ul | 97       |
| 91) Benzo(k)fluoranthene      | 23.127 | 252  | 1003277  | 29.176 | ng/ul | 98       |
| 93) Benzo(a)pyrene            | 23.692 | 252  | 919105   | 29.168 | ng/ul | 95       |
| 94) Indeno(1,2,3-cd)pyrene    | 26.215 | 276  | 964350   | 25.734 | ng/ul | 96       |
| 95) Dibenzo(a,h)anthracene    | 26.239 | 278  | 772436   | 25.285 | ng/ul | 99       |
| 96) Benzo(g,h,i)perylene      | 26.957 | 276  | 740543   | 24.399 | ng/ul | 96       |

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

