

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN061224\  
 Data File : BN031911.D  
 Acq On : 11 Jun 2024 15:06  
 Operator : MA/JU  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SSTD020283

Manual Integrations  
 APPROVED

Reviewed By :Jagrut Upadhyay 06/12/2024  
 Supervised By :mohammad ahmed 06/14/2024

Quant Time: Jun 11 15:51:50 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) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.664  | 152  | 307439   | 20.000 | ng/u1  | -0.02    |
| 20) Naphthalene-d8            | 10.440 | 136  | 1403514  | 20.000 | ng/u1  | -0.03    |
| 38) Acenaphthene-d10          | 14.304 | 164  | 953234   | 20.000 | ng/u1  | -0.02    |
| 64) Phenanthrene-d10          | 17.057 | 188  | 1993791  | 20.000 | ng/u1  | -0.01    |
| 79) Chrysene-d12              | 21.292 | 240  | 1925631  | 20.000 | ng/u1  | -0.01    |
| 88) Perylene-d12              | 24.221 | 264  | 2191910  | 20.000 | ng/u1  | -0.02    |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.176  | 96   | 55278    | 7.438  | ng/uL  | -0.02    |
| 4) Pyridine-d5                | 3.581  | 84   | 364528   | 17.426 | ng/u1  | -0.02    |
| 7) Phenol-d5                  | 6.834  | 99   | 518374   | 19.668 | ng/u1  | -0.02    |
| 9) Bis-(2-Chloroethyl)eth...  | 7.005  | 67   | 314194   | 20.380 | ng/u1  | -0.02    |
| 11) 2-Chlorophenol-d4         | 7.193  | 132  | 401153   | 19.948 | ng/u1  | -0.02    |
| 15) 4-Methylphenol-d8         | 8.369  | 113  | 432305   | 20.122 | ng/u1  | -0.02    |
| 21) Nitrobenzene-d5           | 8.816  | 128  | 213413   | 19.887 | ng/u1  | -0.02    |
| 24) 2-Nitrophenol-d4          | 9.534  | 143  | 219319   | 19.785 | ng/u1  | -0.02    |
| 28) 2,4-Dichlorophenol-d3     | 10.069 | 165  | 420979   | 20.342 | ng/u1  | -0.02    |
| 31) 4-Chloroaniline-d4        | 10.587 | 131  | 571647   | 18.604 | ng/u1  | -0.02    |
| 46) Dimethylphthalate-d6      | 13.722 | 166  | 1319289  | 19.866 | ng/u1  | -0.02    |
| 49) Acenaphthylene-d8         | 13.998 | 160  | 1517173  | 19.869 | ng/u1  | -0.02    |
| 54) 4-Nitrophenol-d4          | 14.522 | 143  | 255814   | 19.239 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.298 | 176  | 1133851  | 20.179 | ng/u1  | -0.02    |
| 65) 4,6-Dinitro-2-methylph... | 15.434 | 200  | 203184   | 20.274 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.151 | 188  | 1733571  | 20.309 | ng/u1  | -0.02    |
| 81) Pyrene-d10                | 19.457 | 212  | 2051896  | 19.913 | ng/u1  | -0.01    |
| 92) Benzo(a)pyrene-d12        | 24.027 | 264  | 2031400  | 19.409 | ng/u1  | -0.01    |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.211  | 88   | 59431    | 7.475  | ng/uL  | 98       |
| 5) Pyridine                   | 3.605  | 79   | 361330   | 17.275 | ng/u1  | 98       |
| 6) Benzaldehyde               | 6.816  | 77   | 230878   | 18.676 | ng/u1  | 99       |
| 8) Phenol                     | 6.864  | 94   | 537521   | 20.040 | ng/u1  | 97       |
| 10) Bis(2-Chloroethyl)ether   | 7.093  | 93   | 447782   | 20.189 | ng/u1  | 100      |
| 12) 2-Chlorophenol            | 7.228  | 128  | 420639   | 19.988 | ng/u1  | 98       |
| 13) 2-Methylphenol            | 8.105  | 108  | 412809   | 19.926 | ng/u1  | 99       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.181  | 45   | 542865   | 21.262 | ng/u1  | 98       |
| 16) Acetophenone              | 8.481  | 105  | 699230   | 21.475 | ng/u1  | 98       |
| 17) N-Nitroso-di-n-propyla... | 8.469  | 70   | 348065   | 20.630 | ng/u1  | 96       |
| 18) 4-Methylphenol            | 8.434  | 108  | 459612   | 20.466 | ng/u1  | 95       |
| 19) Hexachloroethane          | 8.728  | 117  | 172943   | 19.406 | ng/u1  | 95       |
| 22) Nitrobenzene              | 8.858  | 77   | 509996   | 19.947 | ng/u1  | 99       |
| 23) Isophorone                | 9.381  | 82   | 1011690  | 19.289 | ng/u1  | 100      |
| 25) 2-Nitrophenol             | 9.563  | 139  | 243865   | 20.136 | ng/u1  | 98       |
| 26) 2,4-Dimethylphenol        | 9.628  | 107  | 480935   | 20.413 | ng/u1  | 100      |
| 27) Bis(2-Chloroethoxy)met... | 9.863  | 93   | 638450   | 19.532 | ng/u1  | 100      |
| 29) 2,4-Dichlorophenol        | 10.093 | 162  | 412257   | 20.175 | ng/u1  | 99       |
| 30) Naphthalene               | 10.493 | 128  | 1462823  | 20.139 | ng/u1  | 99       |
| 32) 4-Chloroaniline           | 10.610 | 127  | 575098   | 19.278 | ng/u1  | 99       |
| 33) Hexachlorobutadiene       | 10.769 | 225  | 249927   | 20.365 | ng/u1  | 96       |
| 34) Caprolactam               | 11.393 | 113  | 151221m  | 18.960 | ng/u1  |          |
| 35) 4-Chloro-3-methylphenol   | 11.740 | 107  | 490910   | 20.553 | ng/u1  | 99       |
| 36) 2-Methylnaphthalene       | 12.110 | 142  | 1013047  | 20.404 | ng/u1  | 100      |

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SSTD020283

## Manual Integrations

## APPROVED

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Quant Time: Jun 11 15:51:50 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       | 12.334 | 142  | 1022104  | 20.517 | ng/ul  | 98       |
| 39) 1,2,4,5-Tetrachloroben... | 12.481 | 216  | 505632   | 20.057 | ng/ul  | 99       |
| 40) Hexachlorocyclopentadiene | 12.457 | 237  | 253875   | 17.473 | ng/ul  | 96       |
| 41) 2,4,6-Trichlorophenol     | 12.728 | 196  | 338076   | 19.758 | ng/ul  | 99       |
| 42) 2,4,5-Trichlorophenol     | 12.804 | 196  | 377565   | 20.305 | ng/ul  | 99       |
| 43) 1,1'-Biphenyl             | 13.134 | 154  | 1335538  | 19.919 | ng/ul  | 96       |
| 44) 2-Chloronaphthalene       | 13.175 | 162  | 1052849  | 20.049 | ng/ul  | 97       |
| 45) 2-Nitroaniline            | 13.393 | 65   | 300735   | 19.756 | ng/ul  | 93       |
| 47) Dimethylphthalate         | 13.769 | 163  | 1372228  | 20.205 | ng/ul  | 100      |
| 48) 2,6-Dinitrotoluene        | 13.893 | 165  | 274879   | 20.362 | ng/ul  | 98       |
| 50) Acenaphthylene            | 14.028 | 152  | 1748105  | 20.257 | ng/ul  | 99       |
| 51) 3-Nitroaniline            | 14.222 | 138  | 304085   | 21.067 | ng/ul  | 96       |
| 52) Acenaphthene              | 14.369 | 153  | 1155396  | 20.235 | ng/ul  | 97       |
| 53) 2,4-Dinitrophenol         | 14.434 | 184  | 129144   | 18.949 | ng/ul  | 98       |
| 55) 4-Nitrophenol             | 14.534 | 109  | 198591   | 20.134 | ng/ul  | 98       |
| 56) Dibenzofuran              | 14.704 | 168  | 1591606  | 20.516 | ng/ul  | 99       |
| 57) 2,4-Dinitrotoluene        | 14.687 | 165  | 405807   | 20.486 | ng/ul  | 98       |
| 58) 2,3,4,6-Tetrachlorophenol | 14.934 | 232  | 313132   | 20.133 | ng/ul  | 96       |
| 59) Diethylphthalate          | 15.140 | 149  | 1408706  | 20.101 | ng/ul  | 99       |
| 61) Fluorene                  | 15.357 | 166  | 1284927  | 20.568 | ng/ul  | 95       |
| 62) 4-Chlorophenyl-phenyle... | 15.357 | 204  | 613085   | 20.262 | ng/ul  | 96       |
| 63) 4-Nitroaniline            | 15.393 | 138  | 336651   | 24.501 | ng/ul  | 97       |
| 66) 4,6-Dinitro-2-methylph... | 15.445 | 198  | 221699   | 20.810 | ng/ul# | 94       |
| 67) N-Nitrosodiphenylamine    | 15.569 | 169  | 1102840  | 20.067 | ng/ul  | 96       |
| 68) 4-Bromophenyl-phenylether | 16.251 | 248  | 396294   | 20.514 | ng/ul  | 94       |
| 69) Hexachlorobenzene         | 16.351 | 284  | 449924   | 20.549 | ng/ul  | 98       |
| 70) Atrazine                  | 16.528 | 200  | 263821   | 15.204 | ng/ul  | 96       |
| 71) Pentachlorophenol         | 16.704 | 266  | 284334   | 20.298 | ng/ul  | 89       |
| 72) Phenanthrene              | 17.098 | 178  | 2057840  | 20.261 | ng/ul  | 100      |
| 74) Anthracene                | 17.187 | 178  | 2155018  | 20.940 | ng/ul  | 98       |
| 75) 1,2,3,4-Tetrachloroben... | 13.093 | 216  | 511258   | 19.922 | ng/ul  | 94       |
| 76) Pentachlorobenzene        | 14.622 | 250  | 515800   | 20.635 | ng/ul  | 98       |
| 77) Carbazole                 | 17.463 | 167  | 1934451  | 22.044 | ng/ul  | 99       |
| 78) Di-n-butylphthalate       | 18.028 | 149  | 2442231  | 20.229 | ng/ul  | 100      |
| 80) Fluoranthene              | 19.116 | 202  | 2451823  | 19.909 | ng/ul  | 100      |
| 82) Pyrene                    | 19.486 | 202  | 2562311  | 20.279 | ng/ul  | 96       |
| 83) Butylbenzylphthalate      | 20.392 | 149  | 1113496  | 18.659 | ng/ul  | 97       |
| 84) 3,3'-Dichlorobenzidine    | 21.204 | 252  | 512909   | 13.890 | ng/ul  | 99       |
| 85) Benzo(a)anthracene        | 21.275 | 228  | 2594864  | 20.132 | ng/ul  | 96       |
| 86) Bis(2-ethylhexyl)phtha... | 21.204 | 149  | 1635189  | 18.797 | ng/ul  | 100      |
| 87) Chrysene                  | 21.339 | 228  | 2436518  | 20.238 | ng/ul  | 99       |
| 89) Di-n-octyl phthalate      | 22.316 | 149  | 2862410  | 19.506 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 23.298 | 252  | 2591884  | 19.783 | ng/ul  | 99       |
| 91) Benzo(k)fluoranthene      | 23.363 | 252  | 2539300  | 19.752 | ng/ul  | 98       |
| 93) Benzo(a)pyrene            | 24.086 | 252  | 2462137  | 20.065 | ng/ul  | 97       |
| 94) Indeno(1,2,3-cd)pyrene    | 27.521 | 276  | 2747338  | 19.429 | ng/ul  | 98       |
| 95) Dibenzo(a,h)anthracene    | 27.574 | 278  | 2313959  | 20.044 | ng/ul  | 97       |
| 96) Benzo(g,h,i)perylene      | 28.557 | 276  | 2169175m | 19.298 | ng/ul  |          |

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

