

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN021623\  
 Data File : BN024050.D  
 Acq On : 16 Feb 2023 12:31  
 Operator : CG/JU  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SSTD020255

Quant Time: Feb 17 05:35:42 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-BN020623.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Feb 17 05:33:41 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.828  | 152  | 137998   | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.634 | 136  | 611364   | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.487 | 164  | 408016   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.233 | 188  | 934419   | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.422 | 240  | 928105   | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 23.798 | 264  | 894020   | 20.000 | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.222  | 96   | 26003    | 7.620  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.646  | 84   | 179084   | 18.918 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 6.999  | 99   | 238004   | 20.175 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.163  | 67   | 156987   | 21.088 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.358  | 132  | 186068   | 20.279 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.546  | 113  | 193268   | 20.971 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 8.999  | 128  | 95662    | 19.600 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.722  | 143  | 105213   | 19.199 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.257 | 165  | 199852   | 19.569 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.781 | 131  | 281999   | 20.431 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.898 | 166  | 633498   | 20.088 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.175 | 160  | 693009   | 19.836 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.692 | 143  | 111933   | 20.634 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.481 | 176  | 541455   | 20.392 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.604 | 200  | 116305   | 18.015 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.334 | 188  | 867068   | 20.370 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.628 | 212  | 1053093  | 18.837 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.645 | 264  | 924556   | 20.214 | ng/u1  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.258  | 88   | 28235    | 7.822  | ng/uL# | 91       |
| 5) Pyridine                   | 3.664  | 79   | 186294   | 19.575 | ng/u1  | 98       |
| 6) Benzaldehyde               | 6.969  | 77   | 112359   | 21.982 | ng/u1  | 98       |
| 8) Phenol                     | 7.022  | 94   | 244451   | 20.528 | ng/u1  | 97       |
| 10) Bis(2-Chloroethyl)ether   | 7.258  | 93   | 201684   | 20.838 | ng/u1  | 99       |
| 12) 2-Chlorophenol            | 7.387  | 128  | 191946   | 20.575 | ng/u1  | 95       |
| 13) 2-Methylphenol            | 8.281  | 108  | 184601   | 20.694 | ng/u1  | 97       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.357  | 45   | 260217m  | 21.582 | ng/u1  |          |
| 16) Acetophenone              | 8.657  | 105  | 318623   | 22.162 | ng/u1  | 100      |
| 17) N-Nitroso-di-n-propyla... | 8.646  | 70   | 169516   | 21.955 | ng/u1  | 98       |
| 18) 4-Methylphenol            | 8.610  | 108  | 206960   | 21.535 | ng/u1  | 99       |
| 19) Hexachloroethane          | 8.905  | 117  | 83755    | 21.487 | ng/u1  | 95       |
| 22) Nitrobenzene              | 9.040  | 77   | 255354   | 20.623 | ng/u1  | 99       |
| 23) Isophorone                | 9.569  | 82   | 461364   | 20.248 | ng/u1  | 100      |
| 25) 2-Nitrophenol             | 9.752  | 139  | 114435   | 19.960 | ng/u1  | 99       |
| 26) 2,4-Dimethylphenol        | 9.816  | 107  | 234093   | 20.493 | ng/u1  | 99       |
| 27) Bis(2-Chloroethoxy)met... | 10.052 | 93   | 286851   | 20.267 | ng/u1  | 99       |
| 29) 2,4-Dichlorophenol        | 10.287 | 162  | 199909   | 20.185 | ng/u1  | 97       |
| 30) Naphthalene               | 10.687 | 128  | 663159   | 20.228 | ng/u1  | 99       |
| 32) 4-Chloroaniline           | 10.804 | 127  | 288165   | 20.914 | ng/u1  | 99       |
| 33) Hexachlorobutadiene       | 10.969 | 225  | 141723   | 19.956 | ng/u1  | 96       |
| 34) Caprolactam               | 11.587 | 113  | 59587m   | 21.158 | ng/u1  |          |
| 35) 4-Chloro-3-methylphenol   | 11.934 | 107  | 217934   | 20.942 | ng/u1  | 98       |
| 36) 2-Methylnaphthalene       | 12.298 | 142  | 451082   | 20.435 | ng/u1  | 95       |

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 SSTD020255

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 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Feb 17 05:33:41 2023  
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|-------------------------------|--------|------|----------|--------|-------|----------|
| 37) 1-Methylnaphthalene       | 12.522 | 142  | 457135   | 20.356 | ng/u1 | 99       |
| 39) 1,2,4,5-Tetrachloroben... | 12.669 | 216  | 275003   | 19.238 | ng/u1 | 96       |
| 40) Hexachlorocyclopentadiene | 12.646 | 237  | 173553   | 16.756 | ng/u1 | 96       |
| 41) 2,4,6-Trichlorophenol     | 12.916 | 196  | 176186   | 19.422 | ng/u1 | 92       |
| 42) 2,4,5-Trichlorophenol     | 12.987 | 196  | 190676   | 19.410 | ng/u1 | 98       |
| 43) 1,1'-Biphenyl             | 13.316 | 154  | 623662   | 19.197 | ng/u1 | 98       |
| 44) 2-Chloronaphthalene       | 13.357 | 162  | 494955   | 19.599 | ng/u1 | 99       |
| 45) 2-Nitroaniline            | 13.569 | 65   | 149134   | 20.690 | ng/u1 | 96       |
| 47) Dimethylphthalate         | 13.945 | 163  | 620581   | 19.756 | ng/u1 | 99       |
| 48) 2,6-Dinitrotoluene        | 14.069 | 165  | 122613   | 19.970 | ng/u1 | 93       |
| 50) Acenaphthylene            | 14.204 | 152  | 758379   | 20.390 | ng/u1 | 100      |
| 51) 3-Nitroaniline            | 14.398 | 138  | 124963   | 23.110 | ng/u1 | 93       |
| 52) Acenaphthene              | 14.545 | 153  | 524369   | 20.183 | ng/u1 | 98       |
| 53) 2,4-Dinitrophenol         | 14.604 | 184  | 72169    | 17.482 | ng/u1 | 97       |
| 55) 4-Nitrophenol             | 14.710 | 109  | 104174   | 21.697 | ng/u1 | 96       |
| 56) Dibenzofuran              | 14.881 | 168  | 739371   | 20.115 | ng/u1 | 97       |
| 57) 2,4-Dinitrotoluene        | 14.857 | 165  | 180664   | 21.201 | ng/u1 | 95       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.110 | 232  | 166238   | 19.456 | ng/u1 | 93       |
| 59) Diethylphthalate          | 15.310 | 149  | 626826   | 20.437 | ng/u1 | 100      |
| 61) Fluorene                  | 15.534 | 166  | 612239   | 20.323 | ng/u1 | 99       |
| 62) 4-Chlorophenyl-phenyle... | 15.528 | 204  | 322144   | 20.325 | ng/u1 | 96       |
| 63) 4-Nitroaniline            | 15.563 | 138  | 120977m  | 26.113 | ng/u1 |          |
| 66) 4,6-Dinitro-2-methylph... | 15.622 | 198  | 114148   | 18.181 | ng/u1 | 98       |
| 67) N-Nitrosodiphenylamine    | 15.745 | 169  | 512214   | 19.021 | ng/u1 | 99       |
| 68) 4-Bromophenyl-phenylether | 16.422 | 248  | 203517   | 18.588 | ng/u1 | 99       |
| 69) Hexachlorobenzene         | 16.534 | 284  | 232857   | 18.614 | ng/u1 | 95       |
| 70) Atrazine                  | 16.704 | 200  | 204500   | 19.439 | ng/u1 | 96       |
| 71) Pentachlorophenol         | 16.881 | 266  | 142700   | 17.958 | ng/u1 | 99       |
| 72) Phenanthrene              | 17.275 | 178  | 997995   | 20.064 | ng/u1 | 99       |
| 74) Anthracene                | 17.369 | 178  | 1000409  | 20.087 | ng/u1 | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 13.281 | 216  | 270465   | 18.045 | ng/uL | 97       |
| 76) Pentachlorobenzene        | 14.798 | 250  | 276974   | 18.618 | ng/uL | 96       |
| 77) Carbazole                 | 17.645 | 167  | 883307   | 20.579 | ng/u1 | 98       |
| 78) Di-n-butylphthalate       | 18.204 | 149  | 1089600  | 15.199 | ng/u1 | 99       |
| 80) Fluoranthene              | 19.292 | 202  | 1190871  | 17.902 | ng/u1 | 97       |
| 82) Pyrene                    | 19.657 | 202  | 1249922  | 18.459 | ng/u1 | 98       |
| 83) Butylbenzylphthalate      | 20.563 | 149  | 474484   | 17.886 | ng/u1 | 98       |
| 84) 3,3'-Dichlorobenzidine    | 21.345 | 252  | 393531   | 18.026 | ng/u1 | 96       |
| 85) Benzo(a)anthracene        | 21.410 | 228  | 1267750  | 19.713 | ng/u1 | 98       |
| 86) Bis(2-ethylhexyl)phtha... | 21.333 | 149  | 707011   | 17.961 | ng/u1 | 99       |
| 87) Chrysene                  | 21.463 | 228  | 1195205  | 20.082 | ng/u1 | 97       |
| 89) Di-n-octyl phthalate      | 22.257 | 149  | 1145818  | 18.538 | ng/u1 | 100      |
| 90) Benzo(b)fluoranthene      | 23.080 | 252  | 1161049  | 19.711 | ng/u1 | 97       |
| 91) Benzo(k)fluoranthene      | 23.127 | 252  | 1172444  | 20.891 | ng/u1 | 98       |
| 93) Benzo(a)pyrene            | 23.692 | 252  | 1023145  | 20.460 | ng/u1 | 96       |
| 94) Indeno(1,2,3-cd)pyrene    | 26.251 | 276  | 1213025  | 18.794 | ng/u1 | 98       |
| 95) Dibenzo(a,h)anthracene    | 26.280 | 278  | 1021220  | 19.067 | ng/u1 | 96       |
| 96) Benzo(g,h,i)perylene      | 27.009 | 276  | 982088   | 18.814 | ng/u1 | 98       |

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

