

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP121323\  
 Data File : BP018877.D  
 Acq On : 15 Dec 2023 12:24  
 Operator : MA/JU  
 Sample : SSTDCCC020EC  
 Misc :  
 ALS Vial : 72 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 SSTD020728

Quant Time: Dec 15 13:58:43 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP120123.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Dec 13 23:34:47 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.822  | 152  | 324129   | 20.000 | ng/u1  | -0.01    |
| 20) Naphthalene-d8            | 10.616 | 136  | 1177428  | 20.000 | ng/u1  | -0.01    |
| 38) Acenaphthene-d10          | 14.463 | 164  | 692594   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.210 | 188  | 1572737  | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.304 | 240  | 1426594  | 20.000 | ng/u1  | # 0.00   |
| 88) Perylene-d12              | 23.668 | 264  | 2129584  | 20.000 | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.252  | 96   | 74139    | 7.795  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.669  | 84   | 496843   | 19.501 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 6.993  | 99   | 577524   | 17.755 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.157  | 67   | 340383   | 17.656 | ng/u1  | -0.01    |
| 11) 2-Chlorophenol-d4         | 7.352  | 132  | 458144   | 18.051 | ng/u1  | -0.01    |
| 15) 4-Methylphenol-d8         | 8.540  | 113  | 426411   | 16.199 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 8.987  | 128  | 203738   | 19.442 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.704  | 143  | 215874   | 19.869 | ng/u1  | -0.01    |
| 28) 2,4-Dichlorophenol-d3     | 10.240 | 165  | 430658   | 19.385 | ng/u1  | -0.01    |
| 31) 4-Chloroaniline-d4        | 10.763 | 131  | 541690   | 18.657 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.875 | 166  | 1123088  | 18.169 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.151 | 160  | 1312570  | 19.284 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.669 | 143  | 210507   | 20.746 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.451 | 176  | 1012077  | 19.505 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.575 | 200  | 171024   | 18.136 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.310 | 188  | 1610316  | 19.476 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.551 | 212  | 1623295  | 14.618 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.515 | 264  | 2130366  | 17.157 | ng/u1  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.287  | 88   | 79290    | 7.602  | ng/uL  | 97       |
| 5) Pyridine                   | 3.687  | 79   | 506663   | 19.693 | ng/u1  | 97       |
| 6) Benzaldehyde               | 6.963  | 77   | 295064   | 17.570 | ng/u1  | 95       |
| 8) Phenol                     | 7.022  | 94   | 576728   | 18.080 | ng/u1  | 98       |
| 10) Bis(2-Chloroethyl)ether   | 7.252  | 93   | 470176   | 17.948 | ng/u1  | 99       |
| 12) 2-Chlorophenol            | 7.387  | 128  | 459885   | 17.903 | ng/u1  | 98       |
| 13) 2-Methylphenol            | 8.269  | 108  | 412800   | 16.904 | ng/u1  | 99       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.352  | 45   | 540971   | 16.275 | ng/u1  | 98       |
| 16) Acetophenone              | 8.646  | 105  | 648609   | 16.533 | ng/u1  | 97       |
| 17) N-Nitroso-di-n-propyla... | 8.634  | 70   | 301046   | 13.949 | ng/u1  | 99       |
| 18) 4-Methylphenol            | 8.599  | 108  | 438070   | 16.428 | ng/u1  | 99       |
| 19) Hexachloroethane          | 8.899  | 117  | 193272   | 18.353 | ng/u1  | 89       |
| 22) Nitrobenzene              | 9.028  | 77   | 486246   | 19.084 | ng/u1  | 97       |
| 23) Isophorone                | 9.551  | 82   | 835626   | 16.085 | ng/u1  | 99       |
| 25) 2-Nitrophenol             | 9.734  | 139  | 228411   | 19.635 | ng/u1  | 99       |
| 26) 2,4-Dimethylphenol        | 9.799  | 107  | 397283   | 17.462 | ng/u1  | 98       |
| 27) Bis(2-Chloroethoxy)met... | 10.040 | 93   | 565901   | 17.255 | ng/u1  | 99       |
| 29) 2,4-Dichlorophenol        | 10.269 | 162  | 408489   | 19.089 | ng/u1  | 96       |
| 30) Naphthalene               | 10.669 | 128  | 1362368  | 19.074 | ng/u1  | 100      |
| 32) 4-Chloroaniline           | 10.787 | 127  | 521470   | 18.844 | ng/u1  | 100      |
| 33) Hexachlorobutadiene       | 10.951 | 225  | 314330   | 21.933 | ng/u1  | 98       |
| 34) Caprolactam               | 11.569 | 113  | 84439    | 12.869 | ng/u1  | 90       |
| 35) 4-Chloro-3-methylphenol   | 11.916 | 107  | 398868   | 16.639 | ng/u1  | 98       |
| 36) 2-Methylnaphthalene       | 12.281 | 142  | 892706   | 17.642 | ng/u1  | 100      |

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 SSTD020728

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 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Dec 13 23:34:47 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 37) 1-Methylnaphthalene       | 12.498 | 142  | 897358   | 17.560 | ng/ul  | 99       |
| 39) 1,2,4,5-Tetrachloroben... | 12.651 | 216  | 541844   | 21.563 | ng/ul  | 98       |
| 40) Hexachlorocyclopentadiene | 12.628 | 237  | 278351   | 18.689 | ng/ul  | 99       |
| 41) 2,4,6-Trichlorophenol     | 12.892 | 196  | 323848   | 20.034 | ng/ul  | 99       |
| 42) 2,4,5-Trichlorophenol     | 12.963 | 196  | 342687   | 19.554 | ng/ul  | 98       |
| 43) 1,1'-Biphenyl             | 13.292 | 154  | 1167436  | 19.490 | ng/ul  | 98       |
| 44) 2-Chloronaphthalene       | 13.334 | 162  | 948419   | 20.047 | ng/ul  | 97       |
| 45) 2-Nitroaniline            | 13.545 | 65   | 230128   | 17.943 | ng/ul  | 97       |
| 47) Dimethylphthalate         | 13.922 | 163  | 1106785  | 18.189 | ng/ul  | 99       |
| 48) 2,6-Dinitrotoluene        | 14.045 | 165  | 215041   | 18.706 | ng/ul  | 94       |
| 50) Acenaphthylene            | 14.181 | 152  | 1473197  | 19.250 | ng/ul  | 100      |
| 51) 3-Nitroaniline            | 14.369 | 138  | 224380   | 19.553 | ng/ul  | 99       |
| 52) Acenaphthene              | 14.522 | 153  | 981595   | 19.399 | ng/ul  | 99       |
| 53) 2,4-Dinitrophenol         | 14.575 | 184  | 100673   | 16.523 | ng/ul  | 99       |
| 55) 4-Nitrophenol             | 14.681 | 109  | 159219   | 20.770 | ng/ul  | 97       |
| 56) Dibenzofuran              | 14.857 | 168  | 1375025  | 19.552 | ng/ul  | 98       |
| 57) 2,4-Dinitrotoluene        | 14.828 | 165  | 314545   | 19.451 | ng/ul  | 98       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.086 | 232  | 296180   | 20.148 | ng/ul  | 94       |
| 59) Diethylphthalate          | 15.292 | 149  | 1068454  | 17.944 | ng/ul  | 99       |
| 61) Fluorene                  | 15.510 | 166  | 1102262  | 19.808 | ng/ul  | 100      |
| 62) 4-Chlorophenyl-phenyle... | 15.510 | 204  | 578778   | 19.831 | ng/ul  | 94       |
| 63) 4-Nitroaniline            | 15.534 | 138  | 229595   | 21.001 | ng/ul  | 98       |
| 66) 4,6-Dinitro-2-methylph... | 15.592 | 198  | 182563   | 18.108 | ng/ul  | 93       |
| 67) N-Nitrosodiphenylamine    | 15.722 | 169  | 928237   | 17.811 | ng/ul  | 100      |
| 68) 4-Bromophenyl-phenylether | 16.404 | 248  | 368948   | 18.582 | ng/ul  | 95       |
| 69) Hexachlorobenzene         | 16.510 | 284  | 433702   | 19.564 | ng/ul  | 98       |
| 70) Atrazine                  | 16.680 | 200  | 270451   | 17.455 | ng/ul  | 98       |
| 71) Pentachlorophenol         | 16.863 | 266  | 268145   | 20.338 | ng/ul  | 99       |
| 72) Phenanthrene              | 17.251 | 178  | 1822973  | 19.192 | ng/ul  | 99       |
| 74) Anthracene                | 17.345 | 178  | 1860877  | 19.545 | ng/ul  | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 13.257 | 216  | 533171   | 19.606 | ng/ul  | 99       |
| 76) Pentachlorobenzene        | 14.775 | 250  | 509547   | 19.075 | ng/ul  | 99       |
| 77) Carbazole                 | 17.622 | 167  | 1667000  | 21.968 | ng/ul  | 99       |
| 78) Di-n-butylphthalate       | 18.175 | 149  | 1683518  | 16.662 | ng/ul  | 100      |
| 80) Fluoranthene              | 19.222 | 202  | 1811326  | 13.799 | ng/ul  | 96       |
| 82) Pyrene                    | 19.580 | 202  | 1901554  | 14.360 | ng/ul# | 92       |
| 83) Butylbenzylphthalate      | 20.457 | 149  | 734050   | 15.142 | ng/ul  | 97       |
| 84) 3,3'-Dichlorobenzidine    | 21.227 | 252  | 687493   | 19.831 | ng/ul  | 99       |
| 85) Benzo(a)anthracene        | 21.286 | 228  | 2191645  | 18.927 | ng/ul  | 100      |
| 86) Bis(2-ethylhexyl)phtha... | 21.216 | 149  | 1087931  | 16.328 | ng/ul  | 100      |
| 87) Chrysene                  | 21.339 | 228  | 2007175  | 18.823 | ng/ul  | 99       |
| 89) Di-n-octyl phthalate      | 22.127 | 149  | 1985330  | 12.769 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 22.945 | 252  | 2387306  | 15.204 | ng/ul  | 98       |
| 91) Benzo(k)fluoranthene      | 22.992 | 252  | 2383763  | 15.691 | ng/ul  | 98       |
| 93) Benzo(a)pyrene            | 23.563 | 252  | 2531638  | 17.646 | ng/ul  | 98       |
| 94) Indeno(1,2,3-cd)pyrene    | 26.121 | 276  | 3430537  | 20.013 | ng/ul  | 96       |
| 95) Dibenzo(a,h)anthracene    | 26.145 | 278  | 2863495  | 20.081 | ng/ul  | 97       |
| 96) Benzo(g,h,i)perylene      | 26.880 | 276  | 2751588  | 19.946 | ng/ul  | 97       |

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

