

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP081221\  
 Data File : BP006662.D  
 Acq On : 12 Aug 2021 13:17  
 Operator : CG/JU  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 SSTD020680

Manual Integrations  
 APPROVED

mohammad

8/13/2021 8:47:46 AM

Quant Time: Aug 12 13:01:13 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_P\METHODS\SFAM-EPA-BP081021.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Aug 12 11:07:46 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.705  | 152  | 159664   | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.493 | 136  | 698857   | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.351 | 164  | 411885   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.116 | 188  | 804579   | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.221 | 240  | 766245   | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 23.545 | 264  | 792366   | 20.000 | ng/u1  | 0.01     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.217  | 96   | 46153    | 9.777  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.628  | 84   | 313777   | 23.123 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 6.887  | 99   | 338856   | 21.111 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.052  | 67   | 213563   | 21.650 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.240  | 132  | 265319   | 22.195 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.422  | 113  | 270494   | 21.094 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 8.863  | 128  | 130870   | 22.061 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.581  | 143  | 137038   | 22.077 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.116 | 165  | 234904   | 22.398 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.640 | 131  | 373695   | 21.922 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.775 | 166  | 710271   | 22.486 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.045 | 160  | 848845   | 21.909 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.569 | 143  | 139642   | 21.165 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.351 | 176  | 572918   | 22.301 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.481 | 200  | 107076   | 20.134 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.216 | 188  | 863093   | 22.672 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.463 | 212  | 905663   | 22.507 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.392 | 264  | 954165   | 22.331 | ng/u1  | 0.01     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.252  | 88   | 46932    | 9.785  | ng/uL  | 99       |
| 5) Pyridine                   | 3.646  | 79   | 323097   | 23.000 | ng/u1  | 99       |
| 6) Benzaldehyde               | 6.858  | 77   | 158437   | 20.076 | ng/u1  | 94       |
| 8) Phenol                     | 6.910  | 94   | 354418   | 21.621 | ng/u1  | 99       |
| 10) Bis(2-Chloroethyl)ether   | 7.146  | 93   | 279710   | 22.138 | ng/u1  | 99       |
| 12) 2-Chlorophenol            | 7.269  | 128  | 269830   | 22.385 | ng/u1  | 97       |
| 13) 2-Methylphenol            | 8.157  | 108  | 260045   | 21.561 | ng/u1  | 99       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.240  | 45   | 323876   | 21.938 | ng/u1  | 99       |
| 16) Acetophenone              | 8.534  | 105  | 437967   | 21.696 | ng/u1  | 99       |
| 17) N-Nitroso-di-n-propyla... | 8.522  | 70   | 239495   | 22.057 | ng/u1  | 99       |
| 18) 4-Methylphenol            | 8.487  | 108  | 277995   | 21.201 | ng/u1  | 99       |
| 19) Hexachloroethane          | 8.775  | 117  | 120822   | 23.033 | ng/u1  | 100      |
| 22) Nitrobenzene              | 8.904  | 77   | 363301   | 23.392 | ng/u1  | 99       |
| 23) Isophorone                | 9.434  | 82   | 668217   | 23.072 | ng/u1  | 100      |
| 25) 2-Nitrophenol             | 9.616  | 139  | 148342   | 22.658 | ng/u1  | 98       |
| 26) 2,4-Dimethylphenol        | 9.681  | 107  | 318422   | 22.639 | ng/u1  | 100      |
| 27) Bis(2-Chloroethoxy)met... | 9.922  | 93   | 387220   | 23.065 | ng/u1  | 99       |
| 29) 2,4-Dichlorophenol        | 10.146 | 162  | 230744   | 22.678 | ng/u1  | 98       |
| 30) Naphthalene               | 10.546 | 128  | 872288   | 22.998 | ng/u1  | 100      |
| 32) 4-Chloroaniline           | 10.663 | 127  | 366098   | 21.887 | ng/u1  | 100      |
| 33) Hexachlorobutadiene       | 10.822 | 225  | 140702   | 23.454 | ng/u1  | 99       |
| 34) Caprolactam               | 11.457 | 113  | 92825m   | 22.788 | ng/u1  |          |
| 35) 4-Chloro-3-methylphenol   | 11.798 | 107  | 301771   | 23.186 | ng/u1  | 97       |
| 36) 2-Methylnaphthalene       | 12.163 | 142  | 584147   | 22.413 | ng/u1  | 99       |

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| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 37) 1-Methylnaphthalene       | 12.381 | 142  | 563772   | 21.736 | ng/ul | 97       |
| 39) 1,2,4,5-Tetrachloroben... | 12.534 | 216  | 252875   | 22.782 | ng/ul | 97       |
| 40) Hexachlorocyclopentadiene | 12.510 | 237  | 144757   | 19.878 | ng/ul | 98       |
| 41) 2,4,6-Trichlorophenol     | 12.781 | 196  | 175528   | 23.026 | ng/ul | 99       |
| 42) 2,4,5-Trichlorophenol     | 12.851 | 196  | 186103   | 22.931 | ng/ul | 98       |
| 43) 1,1'-Biphenyl             | 13.187 | 154  | 731518   | 22.846 | ng/ul | 99       |
| 44) 2-Chloronaphthalene       | 13.222 | 162  | 558320   | 22.983 | ng/ul | 98       |
| 45) 2-Nitroaniline            | 13.440 | 65   | 196321   | 22.411 | ng/ul | 99       |
| 47) Dimethylphthalate         | 13.822 | 163  | 732524   | 23.446 | ng/ul | 100      |
| 48) 2,6-Dinitrotoluene        | 13.945 | 165  | 142912   | 23.700 | ng/ul | 98       |
| 50) Acenaphthylene            | 14.075 | 152  | 880767   | 23.254 | ng/ul | 100      |
| 51) 3-Nitroaniline            | 14.269 | 138  | 137467   | 19.906 | ng/ul | 98       |
| 52) Acenaphthene              | 14.416 | 153  | 632039   | 23.403 | ng/ul | 98       |
| 53) 2,4-Dinitrophenol         | 14.481 | 184  | 77938    | 19.983 | ng/ul | 98       |
| 55) 4-Nitrophenol             | 14.587 | 109  | 132322   | 22.365 | ng/ul | 99       |
| 56) Dibenzofuran              | 14.757 | 168  | 826947   | 22.901 | ng/ul | 98       |
| 57) 2,4-Dinitrotoluene        | 14.734 | 165  | 208606   | 23.514 | ng/ul | 99       |
| 58) 2,3,4,6-Tetrachlorophenol | 14.986 | 232  | 157007   | 23.304 | ng/ul | 99       |
| 59) Diethylphthalate          | 15.198 | 149  | 785165   | 23.643 | ng/ul | 99       |
| 61) Fluorene                  | 15.410 | 166  | 688109   | 22.854 | ng/ul | 99       |
| 62) 4-Chlorophenyl-phenyle... | 15.410 | 204  | 318910   | 23.397 | ng/ul | 100      |
| 63) 4-Nitroaniline            | 15.439 | 138  | 141834   | 21.933 | ng/ul | 98       |
| 66) 4,6-Dinitro-2-methylph... | 15.498 | 198  | 116733   | 21.957 | ng/ul | 96       |
| 67) N-Nitrosodiphenylamine    | 15.628 | 169  | 570562   | 23.087 | ng/ul | 99       |
| 68) 4-Bromophenyl-phenylether | 16.310 | 248  | 186768   | 23.537 | ng/ul | 95       |
| 69) Hexachlorobenzene         | 16.410 | 284  | 210292   | 23.450 | ng/ul | 97       |
| 70) Atrazine                  | 16.592 | 200  | 201323   | 22.963 | ng/ul | 99       |
| 71) Pentachlorophenol         | 16.763 | 266  | 130446   | 22.207 | ng/ul | 99       |
| 72) Phenanthrene              | 17.157 | 178  | 1062078  | 23.366 | ng/ul | 100      |
| 74) Anthracene                | 17.245 | 178  | 1077375  | 23.342 | ng/ul | 100      |
| 75) 1,2,3,4-Tetrachloroben... | 13.145 | 216  | 249481   | 22.803 | ng/uL | 97       |
| 76) Pentachlorobenzene        | 14.669 | 250  | 247916   | 22.999 | ng/uL | 100      |
| 77) Carbazole                 | 17.528 | 167  | 966214   | 22.412 | ng/ul | 99       |
| 78) Di-n-butylphthalate       | 18.092 | 149  | 1313015  | 23.556 | ng/ul | 100      |
| 80) Fluoranthene              | 19.133 | 202  | 1193688  | 23.602 | ng/ul | 98       |
| 82) Pyrene                    | 19.492 | 202  | 1234472  | 23.632 | ng/ul | 99       |
| 83) Butylbenzylphthalate      | 20.380 | 149  | 605335   | 23.440 | ng/ul | 94       |
| 84) 3,3'-Dichlorobenzidine    | 21.145 | 252  | 339703   | 19.428 | ng/ul | 97       |
| 85) Benzo(a)anthracene        | 21.204 | 228  | 1137609  | 22.794 | ng/ul | 99       |
| 86) Bis(2-ethylhexyl)phtha... | 21.151 | 149  | 897597   | 22.555 | ng/ul | 99       |
| 87) Chrysene                  | 21.257 | 228  | 1098848  | 22.835 | ng/ul | 99       |
| 89) Di-n-octyl phthalate      | 22.051 | 149  | 1537604  | 22.449 | ng/ul | 100      |
| 90) Benzo(b)fluoranthene      | 22.839 | 252  | 1194631  | 23.209 | ng/ul | 99       |
| 91) Benzo(k)fluoranthene      | 22.886 | 252  | 1110573  | 22.285 | ng/ul | 99       |
| 93) Benzo(a)pyrene            | 23.439 | 252  | 1074754  | 23.049 | ng/ul | 100      |
| 94) Indeno(1,2,3-cd)pyrene    | 25.933 | 276  | 1385201  | 22.720 | ng/ul | 99       |
| 95) Dibenzo(a,h)anthracene    | 25.957 | 278  | 1161156  | 22.673 | ng/ul | 99       |
| 96) Benzo(g,h,i)perylene      | 26.674 | 276  | 1150541  | 22.728 | ng/ul | 99       |

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

