

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM083021\  
 Data File : BM032002.D  
 Acq On : 01 Sep 2021 02:27  
 Operator : CG/JU  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTD020060

Manual Integrations  
 APPROVED

mohammad  
 9/1/2021 4:03:49 PM

Quant Time: Sep 01 05:40:17 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SFAM-EPA-BM082821.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Aug 30 09:21:30 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.504  | 152  | 97102    | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.257 | 136  | 444173   | 20.000 | ng/u1  | #-0.01   |
| 38) Acenaphthene-d10          | 14.145 | 164  | 339050   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 16.898 | 188  | 731235   | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.109 | 240  | 728914   | 20.000 | ng/u1  | # 0.00   |
| 88) Perylene-d12              | 23.244 | 264  | 603864   | 20.000 | ng/u1  | 0.00     |
|                               |        |      |          |        |        |          |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.128  | 96   | 16818    | 7.991  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.522  | 84   | 119441   | 19.986 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 6.698  | 99   | 162695   | 20.205 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 6.863  | 67   | 89905    | 19.298 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.040  | 132  | 136130   | 21.970 | ng/u1  | -0.01    |
| 15) 4-Methylphenol-d8         | 8.216  | 113  | 142844   | 20.677 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 8.651  | 128  | 68670    | 21.285 | ng/u1  | -0.01    |
| 24) 2-Nitrophenol-d4          | 9.363  | 143  | 82741    | 21.671 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 9.892  | 165  | 165006   | 21.540 | ng/u1  | -0.01    |
| 31) 4-Chloroaniline-d4        | 10.416 | 131  | 216937   | 20.076 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.569 | 166  | 511535   | 19.939 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 13.833 | 160  | 634920   | 20.897 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.386 | 143  | 83936    | 18.075 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.145 | 176  | 455420   | 20.194 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.292 | 200  | 89596    | 17.832 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 16.998 | 188  | 721916   | 20.800 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.304 | 212  | 788487   | 23.095 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.109 | 264  | 654556   | 20.625 | ng/u1  | 0.00     |
|                               |        |      |          |        |        |          |
| Target Compounds              |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.163  | 88   | 17974    | 7.084  | ng/uL# | 82       |
| 5) Pyridine                   | 3.540  | 79   | 124946   | 20.336 | ng/u1  | 91       |
| 6) Benzaldehyde               | 6.669  | 77   | 67010m   | 18.383 | ng/u1  |          |
| 8) Phenol                     | 6.728  | 94   | 163900   | 20.228 | ng/u1  | 94       |
| 10) Bis(2-Chloroethyl)ether   | 6.951  | 93   | 123575   | 20.024 | ng/u1  | 93       |
| 12) 2-Chlorophenol            | 7.075  | 128  | 135326   | 21.871 | ng/u1  | 93       |
| 13) 2-Methylphenol            | 7.951  | 108  | 125896   | 20.152 | ng/u1  | 93       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.028  | 45   | 155589   | 19.400 | ng/u1# | 92       |
| 16) Acetophenone              | 8.322  | 105  | 216329   | 19.994 | ng/u1  | 94       |
| 17) N-Nitroso-di-n-propyla... | 8.310  | 70   | 109240   | 20.695 | ng/u1  | 94       |
| 18) 4-Methylphenol            | 8.281  | 108  | 141312   | 20.369 | ng/u1  | 97       |
| 19) Hexachloroethane          | 8.551  | 117  | 56415    | 21.285 | ng/u1  | 90       |
| 22) Nitrobenzene              | 8.698  | 77   | 165219   | 20.285 | ng/u1  | 99       |
| 23) Isophorone                | 9.216  | 82   | 303150   | 20.223 | ng/u1  | 97       |
| 25) 2-Nitrophenol             | 9.392  | 139  | 85857    | 21.587 | ng/u1  | 94       |
| 26) 2,4-Dimethylphenol        | 9.463  | 107  | 170050   | 21.004 | ng/u1  | 99       |
| 27) Bis(2-Chloroethoxy)met... | 9.698  | 93   | 179968   | 20.253 | ng/u1  | 99       |
| 29) 2,4-Dichlorophenol        | 9.922  | 162  | 156209   | 21.439 | ng/u1  | 95       |
| 30) Naphthalene               | 10.310 | 128  | 452077   | 20.331 | ng/u1  | 100      |
| 32) 4-Chloroaniline           | 10.439 | 127  | 216581   | 20.093 | ng/u1  | 98       |
| 33) Hexachlorobutadiene       | 10.581 | 225  | 99200    | 20.522 | ng/u1  | 97       |
| 34) Caprolactam               | 11.239 | 113  | 47267m   | 19.462 | ng/u1  |          |
| 35) 4-Chloro-3-methylphenol   | 11.569 | 107  | 161781   | 21.173 | ng/u1  | 99       |
| 36) 2-Methylnaphthalene       | 11.928 | 142  | 359408   | 20.500 | ng/u1  | 99       |

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|-------------------------------|--------|------|----------|--------|--------|----------|
| 37) 1-Methylnaphthalene       | 12.151 | 142  | 367975   | 20.606 | ng/ul  | 97       |
| 39) 1,2,4,5-Tetrachloroben... | 12.304 | 216  | 208885   | 21.463 | ng/ul  | 99       |
| 40) Hexachlorocyclopentadiene | 12.275 | 237  | 105069   | 20.057 | ng/ul  | 98       |
| 41) 2,4,6-Trichlorophenol     | 12.563 | 196  | 140581   | 21.561 | ng/ul  | 96       |
| 42) 2,4,5-Trichlorophenol     | 12.633 | 196  | 152786   | 21.578 | ng/ul  | 98       |
| 43) 1,1'-Biphenyl             | 12.969 | 154  | 485942   | 20.376 | ng/ul# | 98       |
| 44) 2-Chloronaphthalene       | 13.004 | 162  | 391068   | 20.698 | ng/ul  | 99       |
| 45) 2-Nitroaniline            | 13.233 | 65   | 106002   | 20.364 | ng/ul  | 97       |
| 47) Dimethylphthalate         | 13.616 | 163  | 496983   | 19.729 | ng/ul  | 99       |
| 48) 2,6-Dinitrotoluene        | 13.745 | 165  | 105836   | 21.296 | ng/ul  | 96       |
| 50) Acenaphthylene            | 13.863 | 152  | 570562   | 20.409 | ng/ul  | 98       |
| 51) 3-Nitroaniline            | 14.074 | 138  | 75835    | 16.306 | ng/ul  | 98       |
| 52) Acenaphthene              | 14.210 | 153  | 411178   | 20.251 | ng/ul  | 96       |
| 53) 2,4-Dinitrophenol         | 14.292 | 184  | 66302    | 19.081 | ng/ul  | 93       |
| 55) 4-Nitrophenol             | 14.398 | 109  | 78370    | 18.281 | ng/ul  | 83       |
| 56) Dibenzofuran              | 14.545 | 168  | 604123   | 20.175 | ng/ul  | 98       |
| 57) 2,4-Dinitrotoluene        | 14.539 | 165  | 155532   | 20.866 | ng/ul# | 79       |
| 58) 2,3,4,6-Tetrachlorophenol | 14.780 | 232  | 134383   | 21.142 | ng/ul# | 99       |
| 59) Diethylphthalate          | 14.998 | 149  | 514633   | 19.988 | ng/ul  | 99       |
| 61) Fluorene                  | 15.204 | 166  | 511140   | 20.174 | ng/ul  | 98       |
| 62) 4-Chlorophenyl-phenyle... | 15.204 | 204  | 261689   | 20.167 | ng/ul  | 100      |
| 63) 4-Nitroaniline            | 15.251 | 138  | 66061    | 15.857 | ng/ul# | 87       |
| 66) 4,6-Dinitro-2-methylph... | 15.304 | 198  | 86880    | 17.783 | ng/ul  | 99       |
| 67) N-Nitrosodiphenylamine    | 15.421 | 169  | 442349   | 21.065 | ng/ul  | 98       |
| 68) 4-Bromophenyl-phenylether | 16.098 | 248  | 160824   | 21.462 | ng/ul  | 97       |
| 69) Hexachlorobenzene         | 16.204 | 284  | 183637   | 21.107 | ng/ul  | 98       |
| 70) Atrazine                  | 16.392 | 200  | 163218   | 20.629 | ng/ul  | 96       |
| 71) Pentachlorophenol         | 16.557 | 266  | 110331   | 19.393 | ng/ul  | 98       |
| 72) Phenanthrene              | 16.945 | 178  | 823026   | 20.608 | ng/ul  | 99       |
| 74) Anthracene                | 17.033 | 178  | 844004   | 20.649 | ng/ul  | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 12.922 | 216  | 207915   | 21.850 | ng/ul  | 99       |
| 76) Pentachlorobenzene        | 14.463 | 250  | 216060   | 21.643 | ng/ul  | 97       |
| 77) Carbazole                 | 17.315 | 167  | 731774   | 19.562 | ng/ul  | 100      |
| 78) Di-n-butylphthalate       | 17.886 | 149  | 920490   | 21.474 | ng/ul  | 99       |
| 80) Fluoranthene              | 18.968 | 202  | 972242   | 23.435 | ng/ul# | 94       |
| 82) Pyrene                    | 19.333 | 202  | 1011438  | 23.027 | ng/ul# | 94       |
| 83) Butylbenzylphthalate      | 20.256 | 149  | 420144   | 24.361 | ng/ul  | 99       |
| 84) 3,3'-Dichlorobenzidine    | 21.039 | 252  | 250241   | 15.249 | ng/ul  | 98       |
| 85) Benzo(a)anthracene        | 21.092 | 228  | 950602   | 20.966 | ng/ul  | 99       |
| 86) Bis(2-ethylhexyl)phtha... | 21.039 | 149  | 679239   | 24.420 | ng/ul  | 99       |
| 87) Chrysene                  | 21.145 | 228  | 907295   | 20.804 | ng/ul  | 99       |
| 89) Di-n-octyl phthalate      | 21.898 | 149  | 1125820  | 27.328 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 22.609 | 252  | 871508   | 22.652 | ng/ul  | 98       |
| 91) Benzo(k)fluoranthene      | 22.650 | 252  | 799911   | 21.476 | ng/ul# | 98       |
| 93) Benzo(a)pyrene            | 23.150 | 252  | 710671   | 20.455 | ng/ul  | 98       |
| 94) Indeno(1,2,3-cd)pyrene    | 25.350 | 276  | 802640   | 18.051 | ng/ul  | 95       |
| 95) Dibenzo(a,h)anthracene    | 25.356 | 278  | 682955   | 18.263 | ng/ul# | 96       |
| 96) Benzo(g,h,i)perylene      | 25.991 | 276  | 652647   | 17.725 | ng/ul  | 96       |

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

