

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP091521\  
 Data File : BP006986.D  
 Acq On : 15 Sep 2021 21:55  
 Operator : CG/JU  
 Sample : SSTDCCC020EC  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 SSTD020696

Manual Integrations  
 APPROVED

mohammad  
 9/16/2021 11:44:17 AM

9/16/2021 11:44:17 AM

Quant Time: Sep 16 01:02:20 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_P\METHODS\SFAM-EPA-BP090821.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Sep 15 17:01:19 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.922  | 152  | 478982   | 20.000 | ng/ul  | 0.00     |
| 20) Naphthalene-d8            | 10.722 | 136  | 1998690  | 20.000 | ng/ul  | 0.00     |
| 38) Acenaphthene-d10          | 14.545 | 164  | 1269228  | 20.000 | ng/ul  | 0.00     |
| 64) Phenanthrene-d10          | 17.292 | 188  | 2473146  | 20.000 | ng/ul  | # 0.00   |
| 79) Chrysene-d12              | 21.369 | 240  | 2014564  | 20.000 | ng/ul  | -0.01    |
| 88) Perylene-d12              | 23.792 | 264  | 1673989  | 20.000 | ng/ul  | -0.01    |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.352  | 96   | 89684    | 7.451  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.769  | 84   | 600359   | 19.141 | ng/ul  | 0.00     |
| 7) Phenol-d5                  | 7.075  | 99   | 707431   | 20.095 | ng/ul  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.252  | 67   | 408597   | 20.209 | ng/ul  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.452  | 132  | 583398   | 20.528 | ng/ul  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.622  | 113  | 563823   | 20.395 | ng/ul  | 0.00     |
| 21) Nitrobenzene-d5           | 9.081  | 128  | 262525   | 21.685 | ng/ul  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.799  | 143  | 278057   | 23.329 | ng/ul  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.334 | 165  | 583504   | 20.762 | ng/ul  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.857 | 131  | 778622   | 20.034 | ng/ul  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.957 | 166  | 1614258  | 19.637 | ng/ul  | 0.00     |
| 49) Acenaphthylene-d8         | 14.240 | 160  | 2089691  | 20.071 | ng/ul  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.734 | 143  | 277589   | 19.437 | ng/ul  | 0.00     |
| 60) Fluorene-d10              | 15.539 | 176  | 1388070  | 19.132 | ng/ul  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.651 | 200  | 226057   | 20.662 | ng/ul  | 0.00     |
| 73) Anthracene-d10            | 17.392 | 188  | 2045324  | 19.976 | ng/ul  | 0.00     |
| 81) Pyrene-d10                | 19.622 | 212  | 2096044  | 22.216 | ng/ul  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.633 | 264  | 1597055  | 19.776 | ng/ul  | -0.01    |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        |        | Qvalue   |
| 2) 1,4-Dioxane                | 3.387  | 88   | 100050   | 7.470  | ng/uL  | 92       |
| 5) Pyridine                   | 3.787  | 79   | 600450   | 19.084 | ng/ul  | 89       |
| 6) Benzaldehyde               | 7.058  | 77   | 450111m  | 20.065 | ng/ul  |          |
| 8) Phenol                     | 7.105  | 94   | 732358   | 20.125 | ng/ul  | 89       |
| 10) Bis(2-Chloroethyl)ether   | 7.340  | 93   | 593490   | 20.371 | ng/ul  | 98       |
| 12) 2-Chlorophenol            | 7.481  | 128  | 590394   | 20.249 | ng/ul  | 93       |
| 13) 2-Methylphenol            | 8.357  | 108  | 552566   | 19.995 | ng/ul  | 100      |
| 14) 2,2'-oxybis(1-Chloropr... | 8.452  | 45   | 699692   | 20.792 | ng/ul  | 98       |
| 16) Acetophenone              | 8.746  | 105  | 888143   | 20.949 | ng/ul  | 90       |
| 17) N-Nitroso-di-n-propyla... | 8.734  | 70   | 423033   | 21.416 | ng/ul# | 97       |
| 18) 4-Methylphenol            | 8.687  | 108  | 613642   | 20.703 | ng/ul  | 100      |
| 19) Hexachloroethane          | 9.005  | 117  | 236965   | 19.958 | ng/ul# | 80       |
| 22) Nitrobenzene              | 9.122  | 77   | 616975   | 21.060 | ng/ul# | 87       |
| 23) Isophorone                | 9.652  | 82   | 1203809  | 20.690 | ng/ul# | 94       |
| 25) 2-Nitrophenol             | 9.834  | 139  | 312398   | 23.450 | ng/ul# | 85       |
| 26) 2,4-Dimethylphenol        | 9.893  | 107  | 651982   | 20.201 | ng/ul  | 90       |
| 27) Bis(2-Chloroethoxy)met... | 10.134 | 93   | 786803   | 20.428 | ng/ul  | 98       |
| 29) 2,4-Dichlorophenol        | 10.363 | 162  | 576851   | 20.726 | ng/ul  | 95       |
| 30) Naphthalene               | 10.769 | 128  | 1902646  | 19.625 | ng/ul  | 100      |
| 32) 4-Chloroaniline           | 10.881 | 127  | 794634   | 20.074 | ng/ul  | 100      |
| 33) Hexachlorobutadiene       | 11.063 | 225  | 371897   | 19.369 | ng/ul  | 98       |
| 34) Caprolactam               | 11.651 | 113  | 162287m  | 19.562 | ng/ul  |          |
| 35) 4-Chloro-3-methylphenol   | 11.998 | 107  | 575772   | 20.396 | ng/ul# | 88       |
| 36) 2-Methylnaphthalene       | 12.375 | 142  | 1297260  | 19.957 | ng/ul  | 97       |

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| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 37) 1-Methylnaphthalene       | 12.593 | 142  | 1322090  | 19.939 | ng/ul  | 98       |
| 39) 1,2,4,5-Tetrachloroben... | 12.745 | 216  | 718273   | 19.763 | ng/ul# | 93       |
| 40) Hexachlorocyclopentadiene | 12.728 | 237  | 447228   | 19.067 | ng/ul  | 99       |
| 41) 2,4,6-Trichlorophenol     | 12.981 | 196  | 445934   | 21.199 | ng/ul  | 99       |
| 42) 2,4,5-Trichlorophenol     | 13.045 | 196  | 482336   | 20.568 | ng/ul  | 96       |
| 43) 1,1'-Biphenyl             | 13.381 | 154  | 1763356  | 19.954 | ng/ul# | 97       |
| 44) 2-Chloronaphthalene       | 13.422 | 162  | 1347791  | 19.782 | ng/ul  | 92       |
| 45) 2-Nitroaniline            | 13.622 | 65   | 314422   | 22.705 | ng/ul# | 81       |
| 47) Dimethylphthalate         | 14.004 | 163  | 1618970  | 19.527 | ng/ul  | 99       |
| 48) 2,6-Dinitrotoluene        | 14.122 | 165  | 304288   | 21.976 | ng/ul# | 76       |
| 50) Acenaphthylene            | 14.269 | 152  | 2166980  | 20.060 | ng/ul  | 100      |
| 51) 3-Nitroaniline            | 14.445 | 138  | 325960   | 20.536 | ng/ul  | 82       |
| 52) Acenaphthene              | 14.610 | 153  | 1399820  | 19.570 | ng/ul  | 98       |
| 53) 2,4-Dinitrophenol         | 14.651 | 184  | 149783   | 19.256 | ng/ul# | 70       |
| 55) 4-Nitrophenol             | 14.745 | 109  | 203512   | 19.387 | ng/ul# | 84       |
| 56) Dibenzofuran              | 14.945 | 168  | 2004921  | 19.423 | ng/ul  | 86       |
| 57) 2,4-Dinitrotoluene        | 14.904 | 165  | 425406   | 21.499 | ng/ul# | 76       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.169 | 232  | 378922   | 20.053 | ng/ul# | 76       |
| 59) Diethylphthalate          | 15.369 | 149  | 1550158  | 19.203 | ng/ul# | 94       |
| 61) Fluorene                  | 15.592 | 166  | 1598548  | 19.430 | ng/ul  | 98       |
| 62) 4-Chlorophenyl-phenyle... | 15.586 | 204  | 821565   | 19.589 | ng/ul# | 79       |
| 63) 4-Nitroaniline            | 15.610 | 138  | 316464   | 19.970 | ng/ul# | 82       |
| 66) 4,6-Dinitro-2-methylph... | 15.669 | 198  | 234634   | 21.064 | ng/ul# | 74       |
| 67) N-Nitrosodiphenylamine    | 15.798 | 169  | 1352734  | 20.768 | ng/ul  | 99       |
| 68) 4-Bromophenyl-phenylether | 16.481 | 248  | 469108   | 20.063 | ng/ul# | 84       |
| 69) Hexachlorobenzene         | 16.598 | 284  | 528241   | 19.483 | ng/ul# | 86       |
| 70) Atrazine                  | 16.757 | 200  | 473435   | 19.193 | ng/ul  | 94       |
| 71) Pentachlorophenol         | 16.939 | 266  | 299636   | 19.295 | ng/ul  | 98       |
| 72) Phenanthrene              | 17.333 | 178  | 2423790  | 19.674 | ng/ul  | 99       |
| 74) Anthracene                | 17.428 | 178  | 2436278  | 19.895 | ng/ul  | 100      |
| 75) 1,2,3,4-Tetrachloroben... | 13.345 | 216  | 740817   | 21.372 | ng/ul  | 99       |
| 76) Pentachlorobenzene        | 14.863 | 250  | 695546   | 20.730 | ng/ul  | 99       |
| 77) Carbazole                 | 17.692 | 167  | 2102246  | 19.316 | ng/ul  | 97       |
| 78) Di-n-butylphthalate       | 18.251 | 149  | 2391323  | 19.387 | ng/ul  | 99       |
| 80) Fluoranthene              | 19.298 | 202  | 2632582  | 22.435 | ng/ul# | 93       |
| 82) Pyrene                    | 19.651 | 202  | 2697400  | 22.411 | ng/ul# | 92       |
| 83) Butylbenzylphthalate      | 20.522 | 149  | 886061   | 21.142 | ng/ul# | 88       |
| 84) 3,3'-Dichlorobenzidine    | 21.286 | 252  | 736521   | 17.619 | ng/ul  | 97       |
| 85) Benzo(a)anthracene        | 21.357 | 228  | 2302453  | 19.630 | ng/ul  | 100      |
| 86) Bis(2-ethylhexyl)phtha... | 21.286 | 149  | 1278484  | 20.462 | ng/ul# | 94       |
| 87) Chrysene                  | 21.410 | 228  | 2256634  | 19.442 | ng/ul  | 99       |
| 89) Di-n-octyl phthalate      | 22.210 | 149  | 1900816  | 21.971 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 23.051 | 252  | 2030557  | 20.731 | ng/ul  | 97       |
| 91) Benzo(k)fluoranthene      | 23.098 | 252  | 1931652  | 21.068 | ng/ul  | 97       |
| 93) Benzo(a)pyrene            | 23.680 | 252  | 1901936  | 20.181 | ng/ul# | 97       |
| 94) Indeno(1,2,3-cd)pyrene    | 26.321 | 276  | 1911204  | 17.482 | ng/ul  | 97       |
| 95) Dibenzo(a,h)anthracene    | 26.339 | 278  | 1661936  | 17.570 | ng/ul  | 97       |
| 96) Benzo(g,h,i)perylene      | 27.098 | 276  | 1571849  | 16.764 | ng/ul  | 96       |

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

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