

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG070921\  
 Data File : BG049226.D  
 Acq On : 8 Jul 2021 21:47  
 Operator : CG/JU  
 Sample : SSTD04006  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSTD040304

Manual Integrations  
 APPROVED

mohammad  
 7/9/2021 2:46:59 PM

Quant Time: Jul 09 02:36:41 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SFAM-EPA-BG070921.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Jul 09 02:34:40 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.079  | 152  | 28148    | 20.000 | ng/ul  | # 0.00   |
| 20) Naphthalene-d8            | 10.894 | 136  | 119837   | 20.000 | ng/ul  | 0.00     |
| 38) Acenaphthene-d10          | 14.719 | 164  | 85547    | 20.000 | ng/ul  | 0.00     |
| 64) Phenanthrene-d10          | 17.474 | 188  | 208125   | 20.000 | ng/ul  | # 0.00   |
| 79) Chrysene-d12              | 21.757 | 240  | 208789   | 20.000 | ng/ul  | 0.00     |
| 88) Perylene-d12              | 25.053 | 264  | 221088   | 20.000 | ng/ul  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.461  | 96   | 9875m    | 15.201 | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.884  | 84   | 72564    | 36.485 | ng/ul  | 0.00     |
| 7) Phenol-d5                  | 7.227  | 99   | 97149    | 39.726 | ng/ul  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.392  | 67   | 56345    | 37.312 | ng/ul  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.603  | 132  | 74656    | 43.930 | ng/ul  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.784  | 113  | 81495    | 40.624 | ng/ul  | 0.00     |
| 21) Nitrobenzene-d5           | 9.243  | 128  | 39071    | 47.087 | ng/ul  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.971  | 143  | 43728    | 48.135 | ng/ul  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.512 | 165  | 86666    | 38.823 | ng/ul  | 0.00     |
| 31) 4-Chloroaniline-d4        | 11.029 | 131  | 108817   | 38.709 | ng/ul  | 0.00     |
| 46) Dimethylphthalate-d6      | 14.125 | 166  | 271259   | 38.544 | ng/ul  | 0.00     |
| 49) Acenaphthylene-d8         | 14.419 | 160  | 317332   | 41.063 | ng/ul  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.912 | 143  | 46513    | 44.381 | ng/ul  | 0.00     |
| 60) Fluorene-d10              | 15.711 | 176  | 232952   | 37.502 | ng/ul  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.829 | 200  | 53938    | 50.715 | ng/ul  | 0.00     |
| 73) Anthracene-d10            | 17.574 | 188  | 381255   | 40.094 | ng/ul  | 0.00     |
| 81) Pyrene-d10                | 19.854 | 212  | 454411   | 42.559 | ng/ul  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.824 | 264  | 474465   | 39.588 | ng/ul  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        |        | Qvalue   |
| 2) 1,4-Dioxane                | 3.496  | 88   | 10696    | 16.407 | ng/uL  | 94       |
| 5) Pyridine                   | 3.902  | 79   | 77936    | 39.229 | ng/ul  | 90       |
| 6) Benzaldehyde               | 7.210  | 77   | 64688    | 41.890 | ng/ul  | 97       |
| 8) Phenol                     | 7.251  | 94   | 99354    | 38.430 | ng/ul  | 97       |
| 10) Bis(2-Chloroethyl)ether   | 7.492  | 93   | 72183    | 38.287 | ng/ul  | 87       |
| 12) 2-Chlorophenol            | 7.639  | 128  | 76389    | 42.351 | ng/ul  | 97       |
| 13) 2-Methylphenol            | 8.514  | 108  | 75245    | 38.904 | ng/ul  | 99       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.602  | 45   | 118622   | 53.254 | ng/ul  | 98       |
| 16) Acetophenone              | 8.902  | 105  | 129417   | 39.353 | ng/ul  | 93       |
| 17) N-Nitroso-di-n-propyla... | 8.884  | 70   | 66983    | 34.354 | ng/ul# | 92       |
| 18) 4-Methylphenol            | 8.849  | 108  | 78962    | 38.889 | ng/ul  | 89       |
| 19) Hexachloroethane          | 9.166  | 117  | 33498    | 39.854 | ng/ul  | 89       |
| 22) Nitrobenzene              | 9.290  | 77   | 106490   | 38.930 | ng/ul  | 95       |
| 23) Isophorone                | 9.813  | 82   | 187674   | 33.193 | ng/ul  | 98       |
| 25) 2-Nitrophenol             | 10.001 | 139  | 45083    | 43.578 | ng/ul  | 95       |
| 26) 2,4-Dimethylphenol        | 10.059 | 107  | 96667    | 35.511 | ng/ul  | 98       |
| 27) Bis(2-Chloroethoxy)met... | 10.294 | 93   | 98181    | 34.494 | ng/ul# | 92       |
| 29) 2,4-Dichlorophenol        | 10.541 | 162  | 79258    | 38.008 | ng/ul  | 93       |
| 30) Naphthalene               | 10.946 | 128  | 244893   | 38.669 | ng/ul  | 97       |
| 32) 4-Chloroaniline           | 11.052 | 127  | 108005   | 39.066 | ng/ul  | 96       |
| 33) Hexachlorobutadiene       | 11.234 | 225  | 64597    | 32.566 | ng/ul  | 96       |
| 34) Caprolactam               | 11.816 | 113  | 27702m   | 34.868 | ng/ul  |          |
| 35) 4-Chloro-3-methylphenol   | 12.169 | 107  | 88263    | 36.090 | ng/ul  | 95       |
| 36) 2-Methylnaphthalene       | 12.550 | 142  | 185039   | 37.879 | ng/ul  | 91       |

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| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 37) 1-Methylnaphthalene       | 12.774 | 142  | 184361   | 38.105 | ng/ul# | 92       |
| 39) 1,2,4,5-Tetrachloroben... | 12.915 | 216  | 110394   | 33.899 | ng/ul# | 97       |
| 40) Hexachlorocyclopentadiene | 12.897 | 237  | 71302    | 30.153 | ng/ul  | 98       |
| 41) 2,4,6-Trichlorophenol     | 13.156 | 196  | 72176    | 36.016 | ng/ul  | 90       |
| 42) 2,4,5-Trichlorophenol     | 13.232 | 196  | 77147    | 35.864 | ng/ul  | 90       |
| 43) 1,1'-Biphenyl             | 13.555 | 154  | 241308   | 38.121 | ng/ul  | 99       |
| 44) 2-Chloronaphthalene       | 13.602 | 162  | 186297   | 37.571 | ng/ul  | 99       |
| 45) 2-Nitroaniline            | 13.796 | 65   | 71548    | 46.711 | ng/ul  | 93       |
| 47) Dimethylphthalate         | 14.172 | 163  | 253736   | 35.696 | ng/ul  | 99       |
| 48) 2,6-Dinitrotoluene        | 14.290 | 165  | 55266    | 45.396 | ng/ul  | 90       |
| 50) Acenaphthylene            | 14.448 | 152  | 281257   | 37.954 | ng/ul  | 96       |
| 51) 3-Nitroaniline            | 14.619 | 138  | 50334    | 43.003 | ng/ul  | 90       |
| 52) Acenaphthene              | 14.789 | 153  | 206760   | 37.621 | ng/ul  | 99       |
| 53) 2,4-Dinitrophenol         | 14.830 | 184  | 35459    | 43.781 | ng/ul  | 96       |
| 55) 4-Nitrophenol             | 14.930 | 109  | 57343    | 41.312 | ng/ul  | 95       |
| 56) Dibenzofuran              | 15.118 | 168  | 293266   | 37.566 | ng/ul  | 93       |
| 57) 2,4-Dinitrotoluene        | 15.077 | 165  | 78647    | 44.910 | ng/ul  | 99       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.347 | 232  | 73816    | 36.302 | ng/ul  | 93       |
| 59) Diethylphthalate          | 15.529 | 149  | 276007   | 38.851 | ng/ul  | 100      |
| 61) Fluorene                  | 15.770 | 166  | 247000   | 37.170 | ng/ul  | 91       |
| 62) 4-Chlorophenyl-phenyle... | 15.758 | 204  | 136078   | 33.758 | ng/ul  | 99       |
| 63) 4-Nitroaniline            | 15.788 | 138  | 51723    | 42.441 | ng/ul  | 90       |
| 66) 4,6-Dinitro-2-methylph... | 15.841 | 198  | 50830    | 45.518 | ng/ul# | 95       |
| 67) N-Nitrosodiphenylamine    | 15.970 | 169  | 213453   | 37.027 | ng/ul  | 97       |
| 68) 4-Bromophenyl-phenylether | 16.657 | 248  | 97228    | 36.731 | ng/ul  | 98       |
| 69) Hexachlorobenzene         | 16.781 | 284  | 105694   | 37.993 | ng/ul  | 96       |
| 70) Atrazine                  | 16.922 | 200  | 97853    | 37.718 | ng/ul  | 97       |
| 71) Pentachlorophenol         | 17.122 | 266  | 63600    | 36.037 | ng/ul  | 99       |
| 72) Phenanthrene              | 17.515 | 178  | 413294   | 39.110 | ng/ul  | 97       |
| 74) Anthracene                | 17.609 | 178  | 416703   | 38.330 | ng/ul  | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 13.520 | 216  | 114593   | 35.119 | ng/uL  | 92       |
| 76) Pentachlorobenzene        | 15.042 | 250  | 123997   | 36.278 | ng/uL  | 98       |
| 77) Carbazole                 | 17.874 | 167  | 373813   | 40.585 | ng/ul  | 99       |
| 78) Di-n-butylphthalate       | 18.426 | 149  | 470889   | 40.848 | ng/ul  | 99       |
| 80) Fluoranthene              | 19.525 | 202  | 534840   | 40.367 | ng/ul  | 99       |
| 82) Pyrene                    | 19.883 | 202  | 523873   | 39.594 | ng/ul  | 99       |
| 83) Butylbenzylphthalate      | 20.764 | 149  | 207064   | 43.760 | ng/ul  | 97       |
| 84) 3,3'-Dichlorobenzidine    | 21.652 | 252  | 208548   | 40.779 | ng/ul  | 98       |
| 85) Benzo(a)anthracene        | 21.740 | 228  | 529000   | 38.347 | ng/ul  | 97       |
| 86) Bis(2-ethylhexyl)phtha... | 21.634 | 149  | 296370   | 42.966 | ng/ul  | 98       |
| 87) Chrysene                  | 21.804 | 228  | 504237   | 38.225 | ng/ul  | 99       |
| 89) Di-n-octyl phthalate      | 22.874 | 149  | 501589   | 41.680 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 24.002 | 252  | 561165   | 38.376 | ng/ul  | 99       |
| 91) Benzo(k)fluoranthene      | 24.072 | 252  | 542439   | 37.747 | ng/ul  | 97       |
| 93) Benzo(a)pyrene            | 24.901 | 252  | 490305   | 38.168 | ng/ul  | 98       |
| 94) Indeno(1,2,3-cd)pyrene    | 28.826 | 276  | 630049   | 38.127 | ng/ul  | 96       |
| 95) Dibenzo(a,h)anthracene    | 28.896 | 278  | 524411   | 39.034 | ng/ul  | 94       |
| 96) Benzo(g,h,i)perylene      | 30.012 | 276  | 523179   | 39.060 | ng/ul  | 96       |

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

