

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG093021\  
 Data File : BG050379.D  
 Acq On : 2 Oct 2021 7:23  
 Operator : CG/JU  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 64 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSTD020523

Manual Integrations  
 APPROVED

mohammad  
 10/4/2021 11:50:56 AM

Quant Time: Oct 02 08:03:35 2021  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG093021.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Sep 30 16:27:24 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| Internal Standards            |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.270  | 152  | 51795    | 20.00 | ng/ul  | 0.00     |
| 20) Naphthalene-d8            | 11.096 | 136  | 213460   | 20.00 | ng/ul  | 0.00     |
| 38) Acenaphthene-d10          | 14.886 | 164  | 141230   | 20.00 | ng/ul  | 0.00     |
| 64) Phenanthrene-d10          | 17.630 | 188  | 305047   | 20.00 | ng/ul  | 0.00     |
| 79) Chrysene-d12              | 21.931 | 240  | 281092   | 20.00 | ng/ul  | -0.02    |
| 88) Perylene-d12              | 25.350 | 264  | 282852   | 20.00 | ng/ul  | -0.03    |
| System Monitoring Compounds   |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8             | 3.640  | 96   | 11335m   | 8.04  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 4.063  | 84   | 87757    | 20.89 | ng/ul  | 0.00     |
| 7) Phenol-d5                  | 7.401  | 99   | 94296    | 20.84 | ng/ul  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.583  | 67   | 61325    | 21.53 | ng/ul  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.794  | 132  | 67222    | 21.20 | ng/ul  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.958  | 113  | 72822    | 21.26 | ng/ul  | 0.00     |
| 21) Nitrobenzene-d5           | 9.439  | 128  | 35029    | 23.46 | ng/ul  | 0.00     |
| 24) 2-Nitrophenol-d4          | 10.168 | 143  | 36114    | 22.53 | ng/ul  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.697 | 165  | 68084    | 21.51 | ng/ul  | -0.01    |
| 31) 4-Chloroaniline-d4        | 11.220 | 131  | 93496    | 20.68 | ng/ul  | 0.00     |
| 46) Dimethylphthalate-d6      | 14.281 | 166  | 199620   | 20.65 | ng/ul  | -0.01    |
| 49) Acenaphthylene-d8         | 14.580 | 160  | 258615   | 21.31 | ng/ul  | -0.01    |
| 54) 4-Nitrophenol-d4          | 15.051 | 143  | 37346    | 20.06 | ng/ul  | 0.00     |
| 60) Fluorene-d10              | 15.873 | 176  | 177879   | 20.43 | ng/ul  | -0.01    |
| 65) 4,6-Dinitro-2-methylph... | 15.979 | 200  | 31328    | 20.59 | ng/ul  | 0.00     |
| 73) Anthracene-d10            | 17.730 | 188  | 274106   | 21.27 | ng/ul  | 0.00     |
| 81) Pyrene-d10                | 19.998 | 212  | 319584   | 21.38 | ng/ul  | -0.01    |
| 92) Benzo(a)pyrene-d12        | 25.115 | 264  | 303520   | 21.34 | ng/ul  | -0.02    |
| Target Compounds              |        |      |          |       |        |          |
|                               |        |      |          |       | Qvalue |          |
| 2) 1,4-Dioxane                | 3.676  | 88   | 13914    | 8.16  | ng/uL  | 88       |
| 5) Pyridine                   | 4.087  | 79   | 89941    | 21.14 | ng/ul  | 95       |
| 6) Benzaldehyde               | 7.401  | 77   | 73326    | 24.57 | ng/ul  | 92       |
| 8) Phenol                     | 7.430  | 94   | 99522    | 21.46 | ng/ul  | 96       |
| 10) Bis(2-Chloroethyl)ether   | 7.677  | 93   | 74512    | 21.42 | ng/ul  | 98       |
| 12) 2-Chlorophenol            | 7.824  | 128  | 68159    | 21.01 | ng/ul# | 93       |
| 13) 2-Methylphenol            | 8.699  | 108  | 72400    | 21.18 | ng/ul  | 91       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.793  | 45   | 116764   | 22.37 | ng/ul  | 98       |
| 16) Acetophenone              | 9.093  | 105  | 113977   | 20.94 | ng/ul  | 95       |
| 17) N-Nitroso-di-n-propyla... | 9.069  | 70   | 70328    | 21.50 | ng/ul  | 92       |
| 18) 4-Methylphenol            | 9.022  | 108  | 75976    | 20.99 | ng/ul  | 94       |
| 19) Hexachloroethane          | 9.363  | 117  | 30156    | 21.63 | ng/ul  | 97       |
| 22) Nitrobenzene              | 9.481  | 77   | 101977   | 22.79 | ng/ul  | 98       |
| 23) Isophorone                | 10.003 | 82   | 184621   | 21.47 | ng/ul  | 99       |
| 25) 2-Nitrophenol             | 10.197 | 139  | 37524    | 22.78 | ng/ul  | 96       |
| 26) 2,4-Dimethylphenol        | 10.239 | 107  | 87528    | 21.41 | ng/ul  | 94       |
| 27) Bis(2-Chloroethoxy)met... | 10.479 | 93   | 100543   | 21.65 | ng/ul  | 98       |
| 29) 2,4-Dichlorophenol        | 10.726 | 162  | 66985    | 21.38 | ng/ul  | 97       |
| 30) Naphthalene               | 11.143 | 128  | 230557   | 21.04 | ng/ul  | 99       |
| 32) 4-Chloroaniline           | 11.243 | 127  | 95139    | 20.90 | ng/ul  | 97       |
| 33) Hexachlorobutadiene       | 11.419 | 225  | 46959    | 20.62 | ng/ul  | 97       |
| 34) Caprolactam               | 12.001 | 113  | 24118    | 19.92 | ng/ul  | 93       |
| 35) 4-Chloro-3-methylphenol   | 12.336 | 107  | 80373    | 21.76 | ng/ul# | 97       |
| 36) 2-Methylnaphthalene       | 12.730 | 142  | 154418   | 20.72 | ng/ul  | 100      |

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|-------------------------------|--------|------|----------|-------|--------|----------|
| 37) 1-Methylnaphthalene       | 12.947 | 142  | 154682   | 20.62 | ng/ul  | 96       |
| 39) 1,2,4,5-Tetrachloroben... | 13.088 | 216  | 87594    | 21.49 | ng/ul# | 97       |
| 40) Hexachlorocyclopentadiene | 13.065 | 237  | 53935    | 19.95 | ng/ul  | 98       |
| 41) 2,4,6-Trichlorophenol     | 13.323 | 196  | 56367    | 21.94 | ng/ul  | 96       |
| 42) 2,4,5-Trichlorophenol     | 13.388 | 196  | 62327    | 22.18 | ng/ul  | 98       |
| 43) 1,1'-Biphenyl             | 13.723 | 154  | 206431   | 21.72 | ng/ul  | 99       |
| 44) 2-Chloronaphthalene       | 13.770 | 162  | 159973   | 21.48 | ng/ul  | 98       |
| 45) 2-Nitroaniline            | 13.964 | 65   | 58222    | 23.88 | ng/ul  | 92       |
| 47) Dimethylphthalate         | 14.328 | 163  | 200487   | 20.62 | ng/ul  | 99       |
| 48) 2,6-Dinitrotoluene        | 14.451 | 165  | 39729    | 21.72 | ng/ul  | 96       |
| 50) Acenaphthylene            | 14.610 | 152  | 263718   | 21.42 | ng/ul  | 98       |
| 51) 3-Nitroaniline            | 14.780 | 138  | 43800    | 22.01 | ng/ul  | 91       |
| 52) Acenaphthene              | 14.951 | 153  | 173000   | 21.26 | ng/ul  | 98       |
| 53) 2,4-Dinitrophenol         | 14.980 | 184  | 20945    | 18.37 | ng/ul# | 86       |
| 55) 4-Nitrophenol             | 15.062 | 109  | 37231    | 20.23 | ng/ul  | 98       |
| 56) Dibenzofuran              | 15.280 | 168  | 247002   | 20.87 | ng/ul  | 96       |
| 57) 2,4-Dinitrotoluene        | 15.233 | 165  | 58537    | 22.04 | ng/ul  | 98       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.497 | 232  | 49491    | 20.48 | ng/ul# | 88       |
| 59) Diethylphthalate          | 15.685 | 149  | 209272   | 20.62 | ng/ul  | 99       |
| 61) Fluorene                  | 15.926 | 166  | 188340   | 20.00 | ng/ul  | 96       |
| 62) 4-Chlorophenyl-phenyle... | 15.914 | 204  | 104099   | 20.41 | ng/ul  | 96       |
| 63) 4-Nitroaniline            | 15.938 | 138  | 44046    | 21.92 | ng/ul  | 98       |
| 66) 4,6-Dinitro-2-methylph... | 15.991 | 198  | 31231    | 20.77 | ng/ul  | 95       |
| 67) N-Nitrosodiphenylamine    | 16.126 | 169  | 171972   | 22.30 | ng/ul  | 97       |
| 68) 4-Bromophenyl-phenylether | 16.813 | 248  | 61327    | 21.59 | ng/ul  | 94       |
| 69) Hexachlorobenzene         | 16.925 | 284  | 64789    | 21.66 | ng/ul  | 97       |
| 70) Atrazine                  | 17.066 | 200  | 71636    | 21.81 | ng/ul  | 98       |
| 71) Pentachlorophenol         | 17.266 | 266  | 39948    | 20.40 | ng/ul  | 99       |
| 72) Phenanthrene              | 17.671 | 178  | 326419   | 21.44 | ng/ul  | 98       |
| 74) Anthracene                | 17.765 | 178  | 324614   | 21.53 | ng/ul  | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 13.693 | 216  | 92529    | 23.01 | ng/uL  | 98       |
| 76) Pentachlorobenzene        | 15.197 | 250  | 82503    | 22.46 | ng/uL  | 98       |
| 77) Carbazole                 | 18.029 | 167  | 297150   | 22.01 | ng/ul  | 99       |
| 78) Di-n-butylphthalate       | 18.570 | 149  | 356464   | 22.29 | ng/ul  | 99       |
| 80) Fluoranthene              | 19.669 | 202  | 402328   | 21.43 | ng/ul  | 99       |
| 82) Pyrene                    | 20.027 | 202  | 394106   | 21.29 | ng/ul  | 98       |
| 83) Butylbenzylphthalate      | 20.902 | 149  | 155455   | 22.79 | ng/ul  | 99       |
| 84) 3,3'-Dichlorobenzidine    | 21.813 | 252  | 129382   | 22.33 | ng/ul  | 95       |
| 85) Benzo(a)anthracene        | 21.907 | 228  | 361836   | 21.35 | ng/ul  | 99       |
| 86) Bis(2-ethylhexyl)phtha... | 21.796 | 149  | 222391   | 22.68 | ng/ul  | 98       |
| 87) Chrysene                  | 21.978 | 228  | 346283   | 21.32 | ng/ul  | 99       |
| 89) Di-n-octyl phthalate      | 23.076 | 149  | 380895   | 23.44 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 24.257 | 252  | 365065   | 21.19 | ng/ul  | 99       |
| 91) Benzo(k)fluoranthene      | 24.328 | 252  | 343282   | 21.41 | ng/ul  | 97       |
| 93) Benzo(a)pyrene            | 25.192 | 252  | 349204   | 21.24 | ng/ul  | 99       |
| 94) Indeno(1,2,3-cd)pyrene    | 29.275 | 276  | 331343   | 17.95 | ng/ul  | 97       |
| 95) Dibenzo(a,h)anthracene    | 29.351 | 278  | 332373   | 21.16 | ng/ul  | 96       |
| 96) Benzo(g,h,i)perylene      | 30.521 | 276  | 322454m  | 20.73 | ng/ul  |          |

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

