

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG093021\  
 Data File : BG050364.D  
 Acq On : 1 Oct 2021 20:28  
 Operator : CG/JU  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 48 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSTD020522

Manual Integrations  
 APPROVED

mohammad  
 10/4/2021 11:50:54 AM

Quant Time: Oct 02 00:25:01 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     | 8.268  | 152  | 49859    | 20.00 | ng/ul  | 0.00     |
| 20) Naphthalene-d8            | 11.094 | 136  | 207573   | 20.00 | ng/ul  | 0.00     |
| 38) Acenaphthene-d10          | 14.889 | 164  | 134500   | 20.00 | ng/ul  | 0.00     |
| 64) Phenanthrene-d10          | 17.633 | 188  | 310249   | 20.00 | ng/ul  | 0.00     |
| 79) Chrysene-d12              | 21.934 | 240  | 284214   | 20.00 | ng/ul  | -0.01    |
| 88) Perylene-d12              | 25.348 | 264  | 281518   | 20.00 | ng/ul  | -0.03    |
| System Monitoring Compounds   |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8             | 3.638  | 96   | 11174    | 8.23  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 4.061  | 84   | 84259    | 20.84 | ng/ul  | 0.00     |
| 7) Phenol-d5                  | 7.398  | 99   | 92152    | 21.15 | ng/ul  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.586  | 67   | 59654    | 21.76 | ng/ul  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.792  | 132  | 64780    | 21.22 | ng/ul  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.961  | 113  | 69515    | 21.08 | ng/ul  | 0.00     |
| 21) Nitrobenzene-d5           | 9.443  | 128  | 33083    | 22.78 | ng/ul  | 0.00     |
| 24) 2-Nitrophenol-d4          | 10.166 | 143  | 34807    | 22.33 | ng/ul  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.700 | 165  | 64205    | 20.86 | ng/ul  | 0.00     |
| 31) 4-Chloroaniline-d4        | 11.223 | 131  | 89927    | 20.46 | ng/ul  | 0.00     |
| 46) Dimethylphthalate-d6      | 14.284 | 166  | 197038   | 21.41 | ng/ul  | 0.00     |
| 49) Acenaphthylene-d8         | 14.584 | 160  | 249313   | 21.57 | ng/ul  | 0.00     |
| 54) 4-Nitrophenol-d4          | 15.054 | 143  | 36206    | 20.42 | ng/ul  | 0.00     |
| 60) Fluorene-d10              | 15.876 | 176  | 176263   | 21.25 | ng/ul  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.976 | 200  | 31204    | 20.16 | ng/ul  | 0.00     |
| 73) Anthracene-d10            | 17.727 | 188  | 275573   | 21.03 | ng/ul  | 0.00     |
| 81) Pyrene-d10                | 20.001 | 212  | 319121   | 21.12 | ng/ul  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 25.113 | 264  | 298533   | 21.09 | ng/ul  | -0.03    |
| Target Compounds              |        |      |          |       |        |          |
|                               |        |      |          |       | Qvalue |          |
| 2) 1,4-Dioxane                | 3.673  | 88   | 13547m   | 8.25  | ng/uL  |          |
| 5) Pyridine                   | 4.084  | 79   | 87050    | 21.25 | ng/ul  | 98       |
| 6) Benzaldehyde               | 7.404  | 77   | 71187    | 24.78 | ng/ul  | 98       |
| 8) Phenol                     | 7.428  | 94   | 96718    | 21.66 | ng/ul  | 97       |
| 10) Bis(2-Chloroethyl)ether   | 7.680  | 93   | 72874    | 21.76 | ng/ul  | 98       |
| 12) 2-Chlorophenol            | 7.827  | 128  | 67293    | 21.55 | ng/ul  | 97       |
| 13) 2-Methylphenol            | 8.697  | 108  | 69334    | 21.07 | ng/ul  | 95       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.797  | 45   | 112396   | 22.37 | ng/ul  | 98       |
| 16) Acetophenone              | 9.096  | 105  | 111634   | 21.31 | ng/ul  | 97       |
| 17) N-Nitroso-di-n-propyla... | 9.073  | 70   | 68272    | 21.69 | ng/ul  | 95       |
| 18) 4-Methylphenol            | 9.026  | 108  | 73756    | 21.17 | ng/ul  | 97       |
| 19) Hexachloroethane          | 9.366  | 117  | 28155    | 20.98 | ng/ul  | 95       |
| 22) Nitrobenzene              | 9.484  | 77   | 96485    | 22.17 | ng/ul  | 97       |
| 23) Isophorone                | 10.007 | 82   | 178235   | 21.31 | ng/ul  | 98       |
| 25) 2-Nitrophenol             | 10.195 | 139  | 37490    | 23.41 | ng/ul  | 96       |
| 26) 2,4-Dimethylphenol        | 10.242 | 107  | 83699    | 21.05 | ng/ul  | 97       |
| 27) Bis(2-Chloroethoxy)met... | 10.483 | 93   | 96907    | 21.46 | ng/ul  | 98       |
| 29) 2,4-Dichlorophenol        | 10.730 | 162  | 63781    | 20.93 | ng/ul  | 96       |
| 30) Naphthalene               | 11.147 | 128  | 221019   | 20.74 | ng/ul  | 99       |
| 32) 4-Chloroaniline           | 11.247 | 127  | 89006    | 20.11 | ng/ul  | 98       |
| 33) Hexachlorobutadiene       | 11.423 | 225  | 45151    | 20.39 | ng/ul  | 94       |
| 34) Caprolactam               | 12.005 | 113  | 23800m   | 20.22 | ng/ul  |          |
| 35) 4-Chloro-3-methylphenol   | 12.334 | 107  | 75747    | 21.09 | ng/ul  | 97       |
| 36) 2-Methylnaphthalene       | 12.733 | 142  | 148230   | 20.46 | ng/ul  | 94       |

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|-------------------------------|--------|------|----------|-------|--------|----------|
| 37) 1-Methylnaphthalene       | 12.950 | 142  | 149877   | 20.55 | ng/ul  | 97       |
| 39) 1,2,4,5-Tetrachloroben... | 13.091 | 216  | 85272    | 21.97 | ng/ul  | 97       |
| 40) Hexachlorocyclopentadiene | 13.068 | 237  | 51841    | 20.14 | ng/ul  | 90       |
| 41) 2,4,6-Trichlorophenol     | 13.321 | 196  | 54479    | 22.27 | ng/ul  | 96       |
| 42) 2,4,5-Trichlorophenol     | 13.391 | 196  | 58561    | 21.88 | ng/ul  | 98       |
| 43) 1,1'-Biphenyl             | 13.726 | 154  | 199349   | 22.02 | ng/ul  | 97       |
| 44) 2-Chloronaphthalene       | 13.773 | 162  | 155519   | 21.93 | ng/ul  | 99       |
| 45) 2-Nitroaniline            | 13.967 | 65   | 55332    | 23.83 | ng/ul  | 97       |
| 47) Dimethylphthalate         | 14.331 | 163  | 195501   | 21.11 | ng/ul  | 98       |
| 48) 2,6-Dinitrotoluene        | 14.449 | 165  | 40387    | 23.18 | ng/ul  | 87       |
| 50) Acenaphthylene            | 14.613 | 152  | 254983   | 21.75 | ng/ul  | 98       |
| 51) 3-Nitroaniline            | 14.784 | 138  | 43156    | 22.77 | ng/ul# | 92       |
| 52) Acenaphthene              | 14.954 | 153  | 166752   | 21.52 | ng/ul  | 97       |
| 53) 2,4-Dinitrophenol         | 14.978 | 184  | 20824    | 19.18 | ng/ul  | 95       |
| 55) 4-Nitrophenol             | 15.066 | 109  | 37413    | 21.34 | ng/ul  | 96       |
| 56) Dibenzofuran              | 15.283 | 168  | 240335   | 21.32 | ng/ul  | 98       |
| 57) 2,4-Dinitrotoluene        | 15.230 | 165  | 56777    | 22.44 | ng/ul  | 99       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.500 | 232  | 47399    | 20.60 | ng/ul  | 95       |
| 59) Diethylphthalate          | 15.683 | 149  | 204413   | 21.15 | ng/ul  | 97       |
| 61) Fluorene                  | 15.929 | 166  | 187388   | 20.90 | ng/ul  | 96       |
| 62) 4-Chlorophenyl-phenyle... | 15.918 | 204  | 101331   | 20.87 | ng/ul  | 96       |
| 63) 4-Nitroaniline            | 15.935 | 138  | 41817    | 21.85 | ng/ul  | 94       |
| 66) 4,6-Dinitro-2-methylph... | 15.988 | 198  | 30223    | 19.76 | ng/ul# | 90       |
| 67) N-Nitrosodiphenylamine    | 16.129 | 169  | 170163   | 21.69 | ng/ul  | 97       |
| 68) 4-Bromophenyl-phenylether | 16.811 | 248  | 60297    | 20.87 | ng/ul  | 90       |
| 69) Hexachlorobenzene         | 16.928 | 284  | 63175    | 20.77 | ng/ul  | 96       |
| 70) Atrazine                  | 17.069 | 200  | 70187    | 21.01 | ng/ul  | 94       |
| 71) Pentachlorophenol         | 17.269 | 266  | 39476m   | 19.82 | ng/ul  |          |
| 72) Phenanthrene              | 17.674 | 178  | 322397   | 20.82 | ng/ul  | 98       |
| 74) Anthracene                | 17.762 | 178  | 325293   | 21.21 | ng/ul  | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 13.691 | 216  | 88521    | 21.64 | ng/uL  | 91       |
| 76) Pentachlorobenzene        | 15.201 | 250  | 80973    | 21.67 | ng/uL  | 96       |
| 77) Carbazole                 | 18.027 | 167  | 297875   | 21.70 | ng/ul  | 98       |
| 78) Di-n-butylphthalate       | 18.573 | 149  | 353009   | 21.70 | ng/ul  | 99       |
| 80) Fluoranthene              | 19.666 | 202  | 405303   | 21.36 | ng/ul  | 99       |
| 82) Pyrene                    | 20.030 | 202  | 399965   | 21.37 | ng/ul  | 98       |
| 83) Butylbenzylphthalate      | 20.906 | 149  | 154180   | 22.35 | ng/ul  | 100      |
| 84) 3,3'-Dichlorobenzidine    | 21.817 | 252  | 129676   | 22.14 | ng/ul  | 99       |
| 85) Benzo(a)anthracene        | 21.911 | 228  | 363852   | 21.24 | ng/ul  | 99       |
| 86) Bis(2-ethylhexyl)phtha... | 21.793 | 149  | 220251   | 22.22 | ng/ul  | 96       |
| 87) Chrysene                  | 21.981 | 228  | 345211   | 21.02 | ng/ul  | 98       |
| 89) Di-n-octyl phthalate      | 23.080 | 149  | 370583   | 22.91 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 24.255 | 252  | 363274   | 21.19 | ng/ul  | 98       |
| 91) Benzo(k)fluoranthene      | 24.331 | 252  | 330586   | 20.72 | ng/ul  | 99       |
| 93) Benzo(a)pyrene            | 25.195 | 252  | 343799   | 21.01 | ng/ul  | 100      |
| 94) Indeno(1,2,3-cd)pyrene    | 29.278 | 276  | 379525   | 20.66 | ng/ul  | 96       |
| 95) Dibenzo(a,h)anthracene    | 29.349 | 278  | 324257   | 20.74 | ng/ul  | 98       |
| 96) Benzo(g,h,i)perylene      | 30.506 | 276  | 314837   | 20.33 | ng/ul  | 97       |

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

