

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG081021\  
 Data File : BG049756.D  
 Acq On : 10 Aug 2021 14:19  
 Operator : CG/JU  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSTD020485

Manual Integrations  
 APPROVED

mohammad  
 8/11/2021 9:31:52 PM

Quant Time: Aug 10 16:56:50 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SFAM-EPA-BG080421.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Aug 10 16:55:58 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.036  | 152  | 24070    | 20.000 | ng/ul  | 0.00     |
| 20) Naphthalene-d8            | 10.856 | 136  | 110016   | 20.000 | ng/ul  | 0.00     |
| 38) Acenaphthene-d10          | 14.686 | 164  | 81694    | 20.000 | ng/ul  | 0.00     |
| 64) Phenanthrene-d10          | 17.441 | 188  | 192121   | 20.000 | ng/ul  | 0.00     |
| 79) Chrysene-d12              | 21.723 | 240  | 180883   | 20.000 | ng/ul  | 0.00     |
| 88) Perylene-d12              | 24.995 | 264  | 184197   | 20.000 | ng/ul  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.413  | 96   | 3842     | 7.463  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.842  | 84   | 30539m   | 19.768 | ng/ul  | 0.00     |
| 7) Phenol-d5                  | 7.196  | 99   | 43771    | 20.037 | ng/ul  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.355  | 67   | 24758    | 19.731 | ng/ul  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.566  | 132  | 33333    | 21.320 | ng/ul  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.753  | 113  | 35022    | 21.027 | ng/ul  | 0.00     |
| 21) Nitrobenzene-d5           | 9.205  | 128  | 17765    | 20.499 | ng/ul  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.939  | 143  | 20923    | 21.141 | ng/ul  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.480 | 165  | 37929    | 20.325 | ng/ul  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.991 | 131  | 52524    | 20.559 | ng/ul  | 0.00     |
| 46) Dimethylphthalate-d6      | 14.087 | 166  | 135177   | 21.085 | ng/ul  | 0.00     |
| 49) Acenaphthylene-d8         | 14.380 | 160  | 147394   | 19.325 | ng/ul  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.897 | 143  | 19622    | 18.930 | ng/ul  | 0.00     |
| 60) Fluorene-d10              | 15.684 | 176  | 114445   | 20.768 | ng/ul  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.802 | 200  | 25991    | 20.100 | ng/ul  | 0.00     |
| 73) Anthracene-d10            | 17.541 | 188  | 175907   | 19.397 | ng/ul  | 0.00     |
| 81) Pyrene-d10                | 19.826 | 212  | 207791   | 20.849 | ng/ul  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.766 | 264  | 205791   | 20.390 | ng/ul  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.454  | 88   | 4424     | 7.091  | ng/uL# | 68       |
| 5) Pyridine                   | 3.865  | 79   | 30025    | 17.529 | ng/ul  | 96       |
| 6) Benzaldehyde               | 7.172  | 77   | 21627m   | 18.576 | ng/ul  |          |
| 8) Phenol                     | 7.225  | 94   | 45599    | 21.069 | ng/ul  | 95       |
| 10) Bis(2-Chloroethyl)ether   | 7.449  | 93   | 31341    | 20.873 | ng/ul  | 97       |
| 12) 2-Chlorophenol            | 7.601  | 128  | 32987    | 21.097 | ng/ul# | 91       |
| 13) 2-Methylphenol            | 8.482  | 108  | 35348    | 20.859 | ng/ul  | 99       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.559  | 45   | 36123    | 21.051 | ng/ul# | 85       |
| 16) Acetophenone              | 8.864  | 105  | 59569    | 21.549 | ng/ul  | 95       |
| 17) N-Nitroso-di-n-propyla... | 8.841  | 70   | 31162    | 20.968 | ng/ul  | 95       |
| 18) 4-Methylphenol            | 8.811  | 108  | 38118    | 21.531 | ng/ul  | 97       |
| 19) Hexachloroethane          | 9.123  | 117  | 15330    | 22.108 | ng/ul  | 92       |
| 22) Nitrobenzene              | 9.246  | 77   | 53227    | 20.711 | ng/ul  | 98       |
| 23) Isophorone                | 9.769  | 82   | 95433    | 21.960 | ng/ul# | 96       |
| 25) 2-Nitrophenol             | 9.963  | 139  | 20743    | 20.462 | ng/ul# | 90       |
| 26) 2,4-Dimethylphenol        | 10.022 | 107  | 46876    | 20.037 | ng/ul  | 94       |
| 27) Bis(2-Chloroethoxy)met... | 10.257 | 93   | 45914    | 20.853 | ng/ul# | 93       |
| 29) 2,4-Dichlorophenol        | 10.509 | 162  | 36383    | 20.612 | ng/ul  | 94       |
| 30) Naphthalene               | 10.909 | 128  | 121992   | 21.233 | ng/ul  | 98       |
| 32) 4-Chloroaniline           | 11.014 | 127  | 51094    | 20.900 | ng/ul  | 91       |
| 33) Hexachlorobutadiene       | 11.191 | 225  | 28662    | 19.769 | ng/ul# | 84       |
| 34) Caprolactam               | 11.784 | 113  | 13638m   | 24.167 | ng/ul  |          |
| 35) 4-Chloro-3-methylphenol   | 12.142 | 107  | 45566    | 22.275 | ng/ul  | 93       |
| 36) 2-Methylnaphthalene       | 12.518 | 142  | 89639    | 20.376 | ng/ul  | 100      |

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|-------------------------------|--------|------|----------|--------|--------|----------|
| 37) 1-Methylnaphthalene       | 12.736 | 142  | 87862    | 20.525 | ng/ul  | 94       |
| 39) 1,2,4,5-Tetrachloroben... | 12.882 | 216  | 50644    | 19.961 | ng/ul# | 90       |
| 40) Hexachlorocyclopentadiene | 12.859 | 237  | 27645    | 18.474 | ng/ul# | 84       |
| 41) 2,4,6-Trichlorophenol     | 13.123 | 196  | 33440    | 20.596 | ng/ul# | 85       |
| 42) 2,4,5-Trichlorophenol     | 13.200 | 196  | 35774    | 20.535 | ng/ul  | 91       |
| 43) 1,1'-Biphenyl             | 13.517 | 154  | 119652   | 19.661 | ng/ul  | 98       |
| 44) 2-Chloronaphthalene       | 13.564 | 162  | 98522    | 20.681 | ng/ul  | 94       |
| 45) 2-Nitroaniline            | 13.764 | 65   | 34757    | 20.724 | ng/ul  | 92       |
| 47) Dimethylphthalate         | 14.134 | 163  | 139451   | 21.914 | ng/ul  | 97       |
| 48) 2,6-Dinitrotoluene        | 14.257 | 165  | 27829    | 21.413 | ng/ul# | 95       |
| 50) Acenaphthylene            | 14.410 | 152  | 150871   | 20.965 | ng/ul  | 99       |
| 51) 3-Nitroaniline            | 14.592 | 138  | 22403    | 19.363 | ng/ul# | 98       |
| 52) Acenaphthene              | 14.750 | 153  | 105923   | 20.607 | ng/ul  | 94       |
| 53) 2,4-Dinitrophenol         | 14.803 | 184  | 15858    | 22.147 | ng/ul  | 89       |
| 55) 4-Nitrophenol             | 14.909 | 109  | 27492    | 20.281 | ng/ul  | 88       |
| 56) Dibenzofuran              | 15.085 | 168  | 145112   | 20.350 | ng/ul  | 97       |
| 57) 2,4-Dinitrotoluene        | 15.050 | 165  | 42633    | 22.742 | ng/ul  | 95       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.314 | 232  | 32138    | 22.386 | ng/ul# | 98       |
| 59) Diethylphthalate          | 15.496 | 149  | 139432   | 21.732 | ng/ul  | 96       |
| 61) Fluorene                  | 15.737 | 166  | 123340   | 21.270 | ng/ul  | 87       |
| 62) 4-Chlorophenyl-phenyle... | 15.726 | 204  | 66433    | 21.043 | ng/ul  | 99       |
| 63) 4-Nitroaniline            | 15.755 | 138  | 22074    | 20.405 | ng/ul  | 91       |
| 66) 4,6-Dinitro-2-methylph... | 15.820 | 198  | 26255    | 21.668 | ng/ul# | 95       |
| 67) N-Nitrosodiphenylamine    | 15.943 | 169  | 107454   | 20.293 | ng/ul  | 95       |
| 68) 4-Bromophenyl-phenylether | 16.624 | 248  | 45985    | 20.577 | ng/ul  | 92       |
| 69) Hexachlorobenzene         | 16.748 | 284  | 52663    | 20.817 | ng/ul  | 99       |
| 70) Atrazine                  | 16.889 | 200  | 49654    | 21.317 | ng/ul  | 96       |
| 71) Pentachlorophenol         | 17.094 | 266  | 21834    | 18.021 | ng/ul  | 94       |
| 72) Phenanthrene              | 17.482 | 178  | 210030   | 20.655 | ng/ul  | 99       |
| 74) Anthracene                | 17.576 | 178  | 211361   | 20.779 | ng/ul  | 97       |
| 75) 1,2,3,4-Tetrachloroben... | 13.487 | 216  | 49890    | 17.679 | ng/ul  | 98       |
| 76) Pentachlorobenzene        | 15.009 | 250  | 55505    | 18.651 | ng/ul  | 98       |
| 77) Carbazole                 | 17.846 | 167  | 182268   | 20.052 | ng/ul  | 98       |
| 78) Di-n-butylphthalate       | 18.393 | 149  | 239975   | 21.593 | ng/ul  | 99       |
| 80) Fluoranthene              | 19.491 | 202  | 266215   | 21.644 | ng/ul  | 99       |
| 82) Pyrene                    | 19.855 | 202  | 263772   | 21.501 | ng/ul  | 100      |
| 83) Butylbenzylphthalate      | 20.731 | 149  | 103223   | 22.079 | ng/ul  | 95       |
| 84) 3,3'-Dichlorobenzidine    | 21.612 | 252  | 88857    | 20.750 | ng/ul  | 97       |
| 85) Benzo(a)anthracene        | 21.700 | 228  | 249262   | 20.989 | ng/ul  | 99       |
| 86) Bis(2-ethylhexyl)phtha... | 21.594 | 149  | 141709   | 20.693 | ng/ul  | 97       |
| 87) Chrysene                  | 21.770 | 228  | 239929   | 21.632 | ng/ul  | 97       |
| 89) Di-n-octyl phthalate      | 22.816 | 149  | 240826   | 20.961 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 23.950 | 252  | 251169   | 20.863 | ng/ul  | 98       |
| 91) Benzo(k)fluoranthene      | 24.020 | 252  | 244028m  | 20.414 | ng/ul  |          |
| 93) Benzo(a)pyrene            | 24.843 | 252  | 224331   | 21.166 | ng/ul# | 98       |
| 94) Indeno(1,2,3-cd)pyrene    | 28.737 | 276  | 290640   | 20.896 | ng/ul  | 98       |
| 95) Dibenzo(a,h)anthracene    | 28.802 | 278  | 240099   | 20.693 | ng/ul  | 96       |
| 96) Benzo(g,h,i)perylene      | 29.906 | 276  | 239621m  | 20.717 | ng/ul  |          |

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

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