

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG100620\  
 Data File : BG046794.D  
 Acq On : 6 Oct 2020 17:44  
 Operator : CG/JU  
 Sample : SSTDCCC020EC  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSTD020002

Quant Time: Oct 06 18:18:56 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SFAM01-EPA-BG092820.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Oct 06 14:18:17 2020  
 Response via : Initial Calibration

| Compound                  | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|--------|------|----------|-------|-------|----------|
| -----                     |        |      |          |       |       |          |
| Internal Standards        |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4 | 8.109  | 152  | 75245    | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.923 | 136  | 296682   | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 14.731 | 164  | 208174   | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 17.474 | 188  | 501881   | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 21.752 | 240  | 585890   | 20.00 | ng/ul | # 0.00   |
| 86) Perylene-d12          | 25.024 | 264  | 585240   | 20.00 | ng/ul | 0.00     |

|                               |        |     |        |       |       |      |
|-------------------------------|--------|-----|--------|-------|-------|------|
| System Monitoring Compounds   |        |     |        |       |       |      |
| 3) 1,4-Dioxane-d8             | 3.538  | 96  | 11559  | 7.20  | ng/uL | 0.01 |
| 5) Phenol-d5                  | 7.257  | 99  | 113644 | 17.96 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)eth...  | 7.427  | 67  | 66023  | 16.53 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4          | 7.639  | 132 | 85646  | 18.61 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8         | 8.802  | 113 | 88192  | 17.74 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5           | 9.272  | 128 | 41174  | 21.72 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4          | 9.995  | 143 | 47246  | 23.35 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3     | 10.530 | 165 | 95815  | 19.13 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4        | 11.047 | 131 | 116062 | 18.69 | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6      | 14.131 | 166 | 272656 | 17.32 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8         | 14.425 | 160 | 326995 | 17.35 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4          | 14.907 | 143 | 50546  | 20.15 | ng/ul | 0.00 |
| 58) Fluorene-d10              | 15.724 | 176 | 253770 | 17.33 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylph... | 15.829 | 200 | 49508  | 21.82 | ng/ul | 0.00 |
| 71) Anthracene-d10            | 17.574 | 188 | 396337 | 17.22 | ng/ul | 0.00 |
| 79) Pyrene-d10                | 19.854 | 212 | 513214 | 16.83 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12        | 24.795 | 264 | 555803 | 17.57 | ng/ul | 0.00 |

|                               |        |     |        |        |        |     |
|-------------------------------|--------|-----|--------|--------|--------|-----|
| Target Compounds              |        |     |        | Qvalue |        |     |
| 2) 1,4-Dioxane                | 3.567  | 88  | 12756  | 6.94   | ng/uL# | 90  |
| 4) Benzaldehyde               | 7.239  | 77  | 85301  | 18.99  | ng/ul  | 93  |
| 6) Phenol                     | 7.280  | 94  | 116763 | 17.47  | ng/ul  | 97  |
| 8) Bis(2-Chloroethyl)ether    | 7.521  | 93  | 91893  | 17.69  | ng/ul  | 100 |
| 10) 2-Chlorophenol            | 7.674  | 128 | 85860  | 18.22  | ng/ul  | 94  |
| 11) 2-Methylphenol            | 8.538  | 108 | 88915  | 17.84  | ng/ul  | 99  |
| 12) 2,2'-oxybis(1-Chloropr... | 8.632  | 45  | 134749 | 16.37  | ng/ul  | 96  |
| 14) Acetophenone              | 8.926  | 105 | 141532 | 17.38  | ng/ul  | 99  |
| 15) N-Nitroso-di-n-propyla... | 8.914  | 70  | 74370  | 16.53  | ng/ul  | 96  |
| 16) 4-Methylphenol            | 8.867  | 108 | 90461  | 17.33  | ng/ul  | 91  |
| 17) Hexachloroethane          | 9.202  | 117 | 38541  | 18.10  | ng/ul  | 94  |
| 20) Nitrobenzene              | 9.313  | 77  | 116682 | 20.99  | ng/ul  | 96  |
| 21) Isophorone                | 9.836  | 82  | 203199 | 16.37  | ng/ul  | 98  |
| 23) 2-Nitrophenol             | 10.024 | 139 | 51607  | 23.21  | ng/ul  | 96  |
| 24) 2,4-Dimethylphenol        | 10.077 | 107 | 105224 | 17.55  | ng/ul  | 97  |
| 25) Bis(2-Chloroethoxy)met... | 10.318 | 93  | 121435 | 16.99  | ng/ul  | 97  |
| 27) 2,4-Dichlorophenol        | 10.559 | 162 | 94839  | 19.22  | ng/ul  | 94  |
| 28) Naphthalene               | 10.976 | 128 | 282441 | 17.29  | ng/ul  | 96  |
| 30) 4-Chloroaniline           | 11.070 | 127 | 109427 | 18.32  | ng/ul  | 99  |
| 31) Hexachlorobutadiene       | 11.258 | 225 | 78328  | 17.77  | ng/ul  | 94  |
| 32) Caprolactam               | 11.816 | 113 | 30246  | 17.20  | ng/ul  | 93  |
| 33) 4-Chloro-3-methylphenol   | 12.181 | 107 | 95153  | 17.30  | ng/ul  | 97  |
| 34) 2-Methylnaphthalene       | 12.568 | 142 | 204230 | 16.98  | ng/ul  | 99  |
| 35) 1-Methylnaphthalene       | 12.786 | 142 | 199626 | 17.12  | ng/ul  | 97  |
| 37) 1,2,4,5-Tetrachloroben... | 12.933 | 216 | 135810 | 17.74  | ng/ul  | 95  |

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 ClientSampleId :  
 SSTD020002

Quant Time: Oct 06 18:18:56 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SFAM01-EPA-BG092820.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Oct 06 14:18:17 2020  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| 38) Hexachlorocyclopentadiene | 12.915 | 237  | 102914   | 21.05 | ng/ul# | 96       |
| 39) 2,4,6-Trichlorophenol     | 13.168 | 196  | 83508    | 19.29 | ng/ul  | 96       |
| 40) 2,4,5-Trichlorophenol     | 13.232 | 196  | 91927    | 20.22 | ng/ul  | 91       |
| 41) 1,1'-Biphenyl             | 13.567 | 154  | 276886   | 17.15 | ng/ul  | 97       |
| 42) 2-Chloronaphthalene       | 13.614 | 162  | 220841   | 17.23 | ng/ul  | 98       |
| 43) 2-Nitroaniline            | 13.802 | 65   | 69055    | 23.43 | ng/ul  | 95       |
| 45) Dimethylphthalate         | 14.178 | 163  | 283696   | 17.45 | ng/ul  | 99       |
| 46) 2,6-Dinitrotoluene        | 14.296 | 165  | 58493    | 22.68 | ng/ul  | 93       |
| 48) Acenaphthylene            | 14.454 | 152  | 331001   | 17.56 | ng/ul  | 100      |
| 49) 3-Nitroaniline            | 14.619 | 138  | 56320    | 21.87 | ng/ul# | 89       |
| 50) Acenaphthene              | 14.795 | 153  | 225188   | 16.88 | ng/ul  | 97       |
| 51) 2,4-Dinitrophenol         | 14.825 | 184  | 30329    | 20.09 | ng/ul# | 79       |
| 53) 4-Nitrophenol             | 14.919 | 109  | 52332    | 21.14 | ng/ul  | 84       |
| 54) Dibenzofuran              | 15.130 | 168  | 334959   | 17.11 | ng/ul  | 95       |
| 55) 2,4-Dinitrotoluene        | 15.077 | 165  | 85592    | 24.35 | ng/ul# | 92       |
| 56) 2,3,4,6-Tetrachlorophenol | 15.347 | 232  | 87999    | 20.59 | ng/ul  | 98       |
| 57) Diethylphthalate          | 15.541 | 149  | 274789   | 17.10 | ng/ul  | 97       |
| 59) Fluorene                  | 15.776 | 166  | 274270   | 17.02 | ng/ul  | 94       |
| 60) 4-Chlorophenyl-phenyle... | 15.771 | 204  | 157146   | 17.26 | ng/ul  | 96       |
| 61) 4-Nitroaniline            | 15.782 | 138  | 62033    | 21.05 | ng/ul# | 85       |
| 64) 4,6-Dinitro-2-methylph... | 15.841 | 198  | 52640    | 21.12 | ng/ul# | 92       |
| 65) N-Nitrosodiphenylamine    | 15.976 | 169  | 244800   | 16.97 | ng/ul  | 98       |
| 66) 4-Bromophenyl-phenylether | 16.664 | 248  | 107652   | 17.12 | ng/ul  | 91       |
| 67) Hexachlorobenzene         | 16.781 | 284  | 110807   | 21.56 | ng/ul  | 99       |
| 68) Atrazine                  | 16.922 | 200  | 105999   | 17.91 | ng/ul  | 98       |
| 69) Pentachlorophenol         | 17.122 | 266  | 73629    | 19.46 | ng/ul  | 91       |
| 70) Phenanthrene              | 17.516 | 178  | 470259   | 17.09 | ng/ul  | 97       |
| 72) Anthracene                | 17.610 | 178  | 473507   | 17.08 | ng/ul  | 97       |
| 73) 1,2,3,4-Tetrachloroben... | 13.538 | 216  | 134545   | 17.26 | ng/uL  | 95       |
| 74) Pentachlorobenzene        | 15.048 | 250  | 135867   | 17.00 | ng/uL  | 97       |
| 75) Carbazole                 | 17.874 | 167  | 408247   | 18.29 | ng/ul  | 100      |
| 76) Di-n-butylphthalate       | 18.432 | 149  | 478193   | 17.56 | ng/ul  | 98       |
| 77) Fluoranthene              | 19.519 | 202  | 629359   | 18.16 | ng/ul  | 99       |
| 80) Pyrene                    | 19.883 | 202  | 633048   | 16.79 | ng/ul  | 98       |
| 81) Butylbenzylphthalate      | 20.765 | 149  | 239563   | 18.08 | ng/ul  | 99       |
| 82) 3,3'-Dichlorobenzidine    | 21.640 | 252  | 247271   | 18.40 | ng/ul  | 98       |
| 83) Benzo(a)anthracene        | 21.728 | 228  | 669808   | 17.33 | ng/ul  | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 21.640 | 149  | 343273   | 17.60 | ng/ul  | 98       |
| 85) Chrysene                  | 21.799 | 228  | 645590   | 17.29 | ng/ul  | 100      |
| 87) Di-n-octyl phthalate      | 22.874 | 149  | 591315   | 18.24 | ng/ul  | 100      |
| 88) Benzo(b)fluoranthene      | 23.979 | 252  | 668675   | 17.27 | ng/ul  | 98       |
| 89) Benzo(k)fluoranthene      | 24.049 | 252  | 661738   | 17.48 | ng/ul  | 99       |
| 91) Benzo(a)pyrene            | 24.866 | 252  | 609599   | 17.13 | ng/ul  | 98       |
| 92) Indeno(1,2,3-cd)pyrene    | 28.749 | 276  | 747725   | 17.31 | ng/ul  | 100      |
| 93) Dibenzo(a,h)anthracene    | 28.826 | 278  | 624584   | 17.43 | ng/ul  | 96       |
| 94) Benzo(g,h,i)perylene      | 29.919 | 276  | 624131   | 17.33 | ng/ul  | 98       |

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

