

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG081921\  
 Data File : BG049903.D  
 Acq On : 19 Aug 2021 21:43  
 Operator : CG/JU  
 Sample : SSTDCCC020EC  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSTD020492

Manual Integrations  
 APPROVED

mohammad  
 8/20/2021 2:23:29 PM

Quant Time: Aug 20 00:57:17 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SFAM-EPA-BG081921.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Aug 19 13:35:17 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.981  | 152  | 23513    | 20.000 | ng/ul  | 0.00     |
| 20) Naphthalene-d8            | 10.795 | 136  | 100129   | 20.000 | ng/ul  | 0.00     |
| 38) Acenaphthene-d10          | 14.637 | 164  | 72735    | 20.000 | ng/ul  | 0.00     |
| 64) Phenanthrene-d10          | 17.386 | 188  | 177419   | 20.000 | ng/ul  | 0.00     |
| 79) Chrysene-d12              | 21.662 | 240  | 184431   | 20.000 | ng/ul  | 0.00     |
| 88) Perylene-d12              | 24.881 | 264  | 183205   | 20.000 | ng/ul  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.340  | 96   | 3975     | 8.718  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.769  | 84   | 22653    | 16.494 | ng/ul  | 0.00     |
| 7) Phenol-d5                  | 7.147  | 99   | 36462    | 18.262 | ng/ul  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.299  | 67   | 20027    | 18.054 | ng/ul  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.511  | 132  | 27633    | 18.496 | ng/ul  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.692  | 113  | 29037    | 18.466 | ng/ul  | 0.00     |
| 21) Nitrobenzene-d5           | 9.144  | 128  | 14721    | 18.964 | ng/ul  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.872  | 143  | 17319    | 18.737 | ng/ul  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.419 | 165  | 30919    | 18.754 | ng/ul  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.930 | 131  | 43468    | 19.371 | ng/ul  | 0.00     |
| 46) Dimethylphthalate-d6      | 14.031 | 166  | 112321   | 20.178 | ng/ul  | 0.00     |
| 49) Acenaphthylene-d8         | 14.325 | 160  | 121811   | 18.663 | ng/ul  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.854 | 143  | 16625    | 20.643 | ng/ul  | 0.00     |
| 60) Fluorene-d10              | 15.623 | 176  | 92741    | 19.650 | ng/ul  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.759 | 200  | 21437    | 18.781 | ng/ul  | 0.00     |
| 73) Anthracene-d10            | 17.486 | 188  | 157346   | 19.750 | ng/ul  | 0.00     |
| 81) Pyrene-d10                | 19.777 | 212  | 189518   | 19.016 | ng/ul  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.664 | 264  | 179867   | 18.506 | ng/ul  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.375  | 88   | 4203m    | 7.561  | ng/uL  |          |
| 5) Pyridine                   | 3.792  | 79   | 27940    | 18.822 | ng/ul  | 96       |
| 6) Benzaldehyde               | 7.111  | 77   | 25388    | 22.096 | ng/ul  | 92       |
| 8) Phenol                     | 7.170  | 94   | 36058    | 17.879 | ng/ul  | 91       |
| 10) Bis(2-Chloroethyl)ether   | 7.393  | 93   | 25477    | 18.300 | ng/ul  | 92       |
| 12) 2-Chlorophenol            | 7.546  | 128  | 27070    | 18.337 | ng/ul# | 91       |
| 13) 2-Methylphenol            | 8.427  | 108  | 28589    | 18.375 | ng/ul  | 96       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.504  | 45   | 27385    | 18.758 | ng/ul  | 99       |
| 16) Acetophenone              | 8.803  | 105  | 48799    | 19.029 | ng/ul# | 91       |
| 17) N-Nitroso-di-n-propyla... | 8.786  | 70   | 25528    | 19.825 | ng/ul  | 96       |
| 18) 4-Methylphenol            | 8.756  | 108  | 30454    | 18.194 | ng/ul# | 79       |
| 19) Hexachloroethane          | 9.062  | 117  | 12266    | 18.986 | ng/ul  | 92       |
| 22) Nitrobenzene              | 9.191  | 77   | 39752    | 18.899 | ng/ul  | 99       |
| 23) Isophorone                | 9.714  | 82   | 72061    | 19.228 | ng/ul  | 97       |
| 25) 2-Nitrophenol             | 9.908  | 139  | 16038    | 17.846 | ng/ul  | 94       |
| 26) 2,4-Dimethylphenol        | 9.966  | 107  | 38914    | 19.484 | ng/ul  | 93       |
| 27) Bis(2-Chloroethoxy)met... | 10.195 | 93   | 36761    | 18.995 | ng/ul  | 100      |
| 29) 2,4-Dichlorophenol        | 10.454 | 162  | 28391    | 18.762 | ng/ul  | 92       |
| 30) Naphthalene               | 10.848 | 128  | 91839    | 18.350 | ng/ul# | 94       |
| 32) 4-Chloroaniline           | 10.959 | 127  | 39568    | 18.309 | ng/ul# | 86       |
| 33) Hexachlorobutadiene       | 11.129 | 225  | 22848    | 18.665 | ng/ul  | 96       |
| 34) Caprolactam               | 11.711 | 113  | 11069m   | 20.883 | ng/ul  |          |
| 35) 4-Chloro-3-methylphenol   | 12.093 | 107  | 35025    | 19.367 | ng/ul  | 96       |
| 36) 2-Methylnaphthalene       | 12.457 | 142  | 73138    | 19.659 | ng/ul  | 94       |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG081921\  
 Data File : BG049903.D  
 Acq On : 19 Aug 2021 21:43  
 Operator : CG/JU  
 Sample : SSTDCCC020EC  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSTD020492

Manual Integrations  
 APPROVED

mohammad  
 8/20/2021 2:23:29 PM

Quant Time: Aug 20 00:57:17 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SFAM-EPA-BG081921.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Aug 19 13:35:17 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 37) 1-Methylnaphthalene       | 12.674 | 142  | 73278    | 19.514 | ng/ul# | 99       |
| 39) 1,2,4,5-Tetrachloroben... | 12.827 | 216  | 40510    | 18.962 | ng/ul# | 98       |
| 40) Hexachlorocyclopentadiene | 12.804 | 237  | 14288    | 14.944 | ng/ul# | 85       |
| 41) 2,4,6-Trichlorophenol     | 13.068 | 196  | 25621    | 18.819 | ng/ul  | 89       |
| 42) 2,4,5-Trichlorophenol     | 13.150 | 196  | 27328m   | 19.153 | ng/ul  |          |
| 43) 1,1'-Biphenyl             | 13.467 | 154  | 95327    | 18.760 | ng/ul  | 96       |
| 44) 2-Chloronaphthalene       | 13.515 | 162  | 76070    | 18.637 | ng/ul  | 99       |
| 45) 2-Nitroaniline            | 13.714 | 65   | 28518    | 20.579 | ng/ul  | 93       |
| 47) Dimethylphthalate         | 14.078 | 163  | 110049   | 19.976 | ng/ul# | 98       |
| 48) 2,6-Dinitrotoluene        | 14.208 | 165  | 22152    | 19.477 | ng/ul  | 99       |
| 50) Acenaphthylene            | 14.360 | 152  | 112824   | 18.914 | ng/ul  | 99       |
| 51) 3-Nitroaniline            | 14.537 | 138  | 22558    | 20.554 | ng/ul# | 94       |
| 52) Acenaphthene              | 14.701 | 153  | 82883    | 19.154 | ng/ul  | 93       |
| 53) 2,4-Dinitrophenol         | 14.766 | 184  | 10421    | 17.939 | ng/ul  | 84       |
| 55) 4-Nitrophenol             | 14.866 | 109  | 21291    | 20.851 | ng/ul  | 99       |
| 56) Dibenzofuran              | 15.036 | 168  | 114111   | 19.042 | ng/ul  | 94       |
| 57) 2,4-Dinitrotoluene        | 15.001 | 165  | 34112    | 20.851 | ng/ul# | 95       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.265 | 232  | 23405m   | 19.795 | ng/ul  |          |
| 59) Diethylphthalate          | 15.441 | 149  | 116448   | 20.663 | ng/ul  | 96       |
| 61) Fluorene                  | 15.682 | 166  | 103562   | 20.484 | ng/ul  | 95       |
| 62) 4-Chlorophenyl-phenyle... | 15.670 | 204  | 52068    | 19.465 | ng/ul# | 94       |
| 63) 4-Nitroaniline            | 15.706 | 138  | 24510    | 22.379 | ng/ul  | 97       |
| 66) 4,6-Dinitro-2-methylph... | 15.770 | 198  | 19136    | 18.496 | ng/ul  | 92       |
| 67) N-Nitrosodiphenylamine    | 15.888 | 169  | 87920    | 18.822 | ng/ul  | 94       |
| 68) 4-Bromophenyl-phenylether | 16.569 | 248  | 38795    | 19.767 | ng/ul  | 95       |
| 69) Hexachlorobenzene         | 16.693 | 284  | 42748    | 18.862 | ng/ul  | 97       |
| 70) Atrazine                  | 16.834 | 200  | 41887    | 20.185 | ng/ul  | 99       |
| 71) Pentachlorophenol         | 17.045 | 266  | 17159    | 17.880 | ng/ul  | 97       |
| 72) Phenanthrene              | 17.427 | 178  | 173735   | 19.643 | ng/ul  | 99       |
| 74) Anthracene                | 17.521 | 178  | 180006   | 20.083 | ng/ul  | 97       |
| 75) 1,2,3,4-Tetrachloroben... | 13.438 | 216  | 40842    | 17.158 | ng/ul  | 89       |
| 76) Pentachlorobenzene        | 14.954 | 250  | 46070    | 18.266 | ng/ul  | 98       |
| 77) Carbazole                 | 17.791 | 167  | 158037   | 19.815 | ng/ul  | 98       |
| 78) Di-n-butylphthalate       | 18.337 | 149  | 208233   | 20.414 | ng/ul  | 97       |
| 80) Fluoranthene              | 19.442 | 202  | 229592   | 18.668 | ng/ul  | 100      |
| 82) Pyrene                    | 19.806 | 202  | 233453   | 19.156 | ng/ul  | 99       |
| 83) Butylbenzylphthalate      | 20.681 | 149  | 90361    | 18.789 | ng/ul  | 97       |
| 84) 3,3'-Dichlorobenzidine    | 21.551 | 252  | 84626    | 19.357 | ng/ul  | 96       |
| 85) Benzo(a)anthracene        | 21.639 | 228  | 221244   | 19.252 | ng/ul  | 99       |
| 86) Bis(2-ethylhexyl)phtha... | 21.533 | 149  | 126684   | 19.181 | ng/ul  | 99       |
| 87) Chrysene                  | 21.703 | 228  | 206742   | 19.031 | ng/ul  | 96       |
| 89) Di-n-octyl phthalate      | 22.737 | 149  | 206025   | 18.957 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 23.859 | 252  | 222154m  | 18.957 | ng/ul  |          |
| 91) Benzo(k)fluoranthene      | 23.924 | 252  | 217732   | 19.546 | ng/ul  | 98       |
| 93) Benzo(a)pyrene            | 24.729 | 252  | 194945   | 19.155 | ng/ul  | 97       |
| 94) Indeno(1,2,3-cd)pyrene    | 28.576 | 276  | 251696   | 18.748 | ng/ul# | 96       |
| 95) Dibenzo(a,h)anthracene    | 28.629 | 278  | 208016   | 18.509 | ng/ul  | 100      |
| 96) Benzo(g,h,i)perylene      | 29.728 | 276  | 204947   | 18.158 | ng/ul  | 98       |

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

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG081921\  
 Data File : BG049903.D  
 Acq On : 19 Aug 2021 21:43  
 Operator : CG/JU  
 Sample : SSTDCCC020EC  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSTD020492

Manual Integrations  
 APPROVED

mohammad  
 8/20/2021 2:23:29 PM

Quant Time: Aug 20 00:57:17 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SFAM-EPA-BG081921.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Aug 19 13:35:17 2021  
 Response via : Initial Calibration

