

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG092821\  
 Data File : BG050311.D  
 Acq On : 29 Sep 2021 9:17  
 Operator : CG/JU  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSTD020518

Manual Integrations  
 APPROVED

mohammad  
 9/29/2021 12:54:00 PM

Quant Time: Sep 29 10:57:32 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SFAM-EPA-BG092521.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Sep 29 10:57:11 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.282  | 152  | 45639    | 20.000 | ng/ul  | 0.00     |
| 20) Naphthalene-d8            | 11.108 | 136  | 189454   | 20.000 | ng/ul  | # 0.00   |
| 38) Acenaphthene-d10          | 14.898 | 164  | 127216   | 20.000 | ng/ul  | 0.00     |
| 64) Phenanthrene-d10          | 17.642 | 188  | 291340   | 20.000 | ng/ul  | # 0.00   |
| 79) Chrysene-d12              | 21.948 | 240  | 293732   | 20.000 | ng/ul  | # 0.00   |
| 88) Perylene-d12              | 25.386 | 264  | 310162   | 20.000 | ng/ul  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.652  | 96   | 9766     | 10.348 | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 4.081  | 84   | 72298    | 25.418 | ng/ul  | 0.00     |
| 7) Phenol-d5                  | 7.412  | 99   | 77257    | 21.320 | ng/ul  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.595  | 67   | 48541    | 23.079 | ng/ul  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.806  | 132  | 56323    | 21.385 | ng/ul  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.969  | 113  | 58372    | 20.448 | ng/ul  | 0.00     |
| 21) Nitrobenzene-d5           | 9.451  | 128  | 26902    | 22.986 | ng/ul  | 0.00     |
| 24) 2-Nitrophenol-d4          | 10.174 | 143  | 29657    | 22.942 | ng/ul  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.714 | 165  | 57889    | 19.197 | ng/ul  | 0.00     |
| 31) 4-Chloroaniline-d4        | 11.232 | 131  | 75082    | 18.953 | ng/ul  | 0.00     |
| 46) Dimethylphthalate-d6      | 14.293 | 166  | 171485   | 19.834 | ng/ul  | 0.00     |
| 49) Acenaphthylene-d8         | 14.592 | 160  | 218194   | 20.076 | ng/ul  | 0.00     |
| 54) 4-Nitrophenol-d4          | 15.062 | 143  | 31418    | 21.537 | ng/ul  | 0.00     |
| 60) Fluorene-d10              | 15.885 | 176  | 151982   | 19.199 | ng/ul  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.985 | 200  | 28881    | 23.399 | ng/ul  | 0.00     |
| 73) Anthracene-d10            | 17.742 | 188  | 245550   | 19.788 | ng/ul  | 0.00     |
| 81) Pyrene-d10                | 20.015 | 212  | 293711   | 18.469 | ng/ul  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 25.145 | 264  | 309970   | 19.602 | ng/ul  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.687  | 88   | 11188    | 9.397  | ng/uL# | 91       |
| 5) Pyridine                   | 4.099  | 79   | 72809    | 24.683 | ng/ul  | 93       |
| 6) Benzaldehyde               | 7.412  | 77   | 58976    | 25.641 | ng/ul  | 95       |
| 8) Phenol                     | 7.436  | 94   | 80996    | 22.065 | ng/ul  | 95       |
| 10) Bis(2-Chloroethyl)ether   | 7.694  | 93   | 60965    | 22.347 | ng/ul  | 96       |
| 12) 2-Chlorophenol            | 7.841  | 128  | 57333    | 20.655 | ng/ul# | 78       |
| 13) 2-Methylphenol            | 8.705  | 108  | 59148    | 20.652 | ng/ul  | 96       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.811  | 45   | 87344    | 24.200 | ng/ul# | 91       |
| 16) Acetophenone              | 9.110  | 105  | 94193    | 21.600 | ng/ul  | 97       |
| 17) N-Nitroso-di-n-propyla... | 9.087  | 70   | 53666    | 21.648 | ng/ul  | 98       |
| 18) 4-Methylphenol            | 9.034  | 108  | 62020    | 21.260 | ng/ul  | 86       |
| 19) Hexachloroethane          | 9.375  | 117  | 25023    | 21.010 | ng/ul  | 97       |
| 22) Nitrobenzene              | 9.492  | 77   | 79287    | 23.613 | ng/ul  | 100      |
| 23) Isophorone                | 10.021 | 82   | 143119   | 20.208 | ng/ul# | 94       |
| 25) 2-Nitrophenol             | 10.209 | 139  | 31925    | 23.646 | ng/ul# | 85       |
| 26) 2,4-Dimethylphenol        | 10.250 | 107  | 71059    | 19.683 | ng/ul  | 89       |
| 27) Bis(2-Chloroethoxy)met... | 10.497 | 93   | 80418    | 20.800 | ng/ul  | 97       |
| 29) 2,4-Dichlorophenol        | 10.738 | 162  | 55661    | 19.157 | ng/ul  | 98       |
| 30) Naphthalene               | 11.155 | 128  | 191105   | 19.666 | ng/ul  | 97       |
| 32) 4-Chloroaniline           | 11.255 | 127  | 77237    | 19.523 | ng/ul  | 91       |
| 33) Hexachlorobutadiene       | 11.437 | 225  | 42780    | 17.748 | ng/ul  | 96       |
| 34) Caprolactam               | 12.025 | 113  | 18533    | 20.228 | ng/ul# | 75       |
| 35) 4-Chloro-3-methylphenol   | 12.348 | 107  | 62737    | 19.910 | ng/ul  | 98       |
| 36) 2-Methylnaphthalene       | 12.742 | 142  | 127524   | 18.949 | ng/ul  | 97       |

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Instrument :  
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 ClientSampleId :  
 SSTD020518

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|-------------------------------|--------|------|----------|--------|--------|----------|
| 37) 1-Methylnaphthalene       | 12.959 | 142  | 127981   | 18.835 | ng/ul  | 98       |
| 39) 1,2,4,5-Tetrachloroben... | 13.100 | 216  | 78382    | 19.570 | ng/ul  | 93       |
| 40) Hexachlorocyclopentadiene | 13.076 | 237  | 52680    | 19.068 | ng/ul  | 95       |
| 41) 2,4,6-Trichlorophenol     | 13.335 | 196  | 49001    | 20.747 | ng/ul  | 87       |
| 42) 2,4,5-Trichlorophenol     | 13.400 | 196  | 52463    | 20.646 | ng/ul  | 92       |
| 43) 1,1'-Biphenyl             | 13.734 | 154  | 174879   | 20.264 | ng/ul# | 96       |
| 44) 2-Chloronaphthalene       | 13.781 | 162  | 136254   | 19.954 | ng/ul  | 100      |
| 45) 2-Nitroaniline            | 13.975 | 65   | 43573    | 26.801 | ng/ul  | 96       |
| 47) Dimethylphthalate         | 14.340 | 163  | 171498   | 19.691 | ng/ul  | 99       |
| 48) 2,6-Dinitrotoluene        | 14.463 | 165  | 33910    | 24.595 | ng/ul  | 91       |
| 50) Acenaphthylene            | 14.622 | 152  | 223196   | 20.328 | ng/ul  | 97       |
| 51) 3-Nitroaniline            | 14.792 | 138  | 35624    | 23.110 | ng/ul  | 86       |
| 52) Acenaphthene              | 14.962 | 153  | 144517   | 20.104 | ng/ul  | 98       |
| 53) 2,4-Dinitrophenol         | 14.992 | 184  | 20005    | 22.917 | ng/ul# | 84       |
| 55) 4-Nitrophenol             | 15.074 | 109  | 31028m   | 20.697 | ng/ul  |          |
| 56) Dibenzofuran              | 15.291 | 168  | 215444   | 20.027 | ng/ul  | 93       |
| 57) 2,4-Dinitrotoluene        | 15.244 | 165  | 48040    | 24.587 | ng/ul# | 98       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.509 | 232  | 45598    | 19.946 | ng/ul# | 93       |
| 59) Diethylphthalate          | 15.697 | 149  | 176659   | 19.730 | ng/ul  | 98       |
| 61) Fluorene                  | 15.938 | 166  | 166534   | 19.760 | ng/ul  | 97       |
| 62) 4-Chlorophenyl-phenyle... | 15.926 | 204  | 90896    | 19.159 | ng/ul  | 95       |
| 63) 4-Nitroaniline            | 15.950 | 138  | 36432    | 22.959 | ng/ul# | 81       |
| 66) 4,6-Dinitro-2-methylph... | 16.002 | 198  | 28728    | 23.168 | ng/ul  | 98       |
| 67) N-Nitrosodiphenylamine    | 16.138 | 169  | 147305   | 19.996 | ng/ul  | 98       |
| 68) 4-Bromophenyl-phenylether | 16.825 | 248  | 56655    | 18.754 | ng/ul  | 97       |
| 69) Hexachlorobenzene         | 16.942 | 284  | 63759    | 19.049 | ng/ul  | 96       |
| 70) Atrazine                  | 17.078 | 200  | 62401    | 19.198 | ng/ul  | 93       |
| 71) Pentachlorophenol         | 17.277 | 266  | 40603    | 19.012 | ng/ul  | 96       |
| 72) Phenanthrene              | 17.683 | 178  | 286051   | 19.783 | ng/ul  | 98       |
| 74) Anthracene                | 17.777 | 178  | 288202   | 20.013 | ng/ul  | 95       |
| 75) 1,2,3,4-Tetrachloroben... | 13.705 | 216  | 82123    | 19.829 | ng/ul  | 90       |
| 76) Pentachlorobenzene        | 15.209 | 250  | 77939    | 19.517 | ng/ul  | 98       |
| 77) Carbazole                 | 18.035 | 167  | 263375   | 20.672 | ng/ul  | 98       |
| 78) Di-n-butylphthalate       | 18.582 | 149  | 310591   | 21.143 | ng/ul  | 98       |
| 80) Fluoranthene              | 19.680 | 202  | 370302   | 18.366 | ng/ul# | 91       |
| 82) Pyrene                    | 20.039 | 202  | 364618   | 18.391 | ng/ul# | 89       |
| 83) Butylbenzylphthalate      | 20.920 | 149  | 134035   | 20.068 | ng/ul  | 98       |
| 84) 3,3'-Dichlorobenzidine    | 21.831 | 252  | 127038   | 20.195 | ng/ul# | 93       |
| 85) Benzo(a)anthracene        | 21.925 | 228  | 351047   | 19.846 | ng/ul  | 97       |
| 86) Bis(2-ethylhexyl)phtha... | 21.813 | 149  | 193781   | 20.326 | ng/ul  | 98       |
| 87) Chrysene                  | 21.995 | 228  | 337255   | 19.667 | ng/ul  | 94       |
| 89) Di-n-octyl phthalate      | 23.106 | 149  | 328228   | 21.588 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 24.281 | 252  | 358193   | 19.729 | ng/ul# | 98       |
| 91) Benzo(k)fluoranthene      | 24.357 | 252  | 334294   | 19.609 | ng/ul# | 97       |
| 93) Benzo(a)pyrene            | 25.221 | 252  | 340858   | 19.766 | ng/ul# | 98       |
| 94) Indeno(1,2,3-cd)pyrene    | 29.328 | 276  | 393954   | 19.550 | ng/ul# | 93       |
| 95) Dibenzo(a,h)anthracene    | 29.404 | 278  | 335341   | 19.308 | ng/ul# | 97       |
| 96) Benzo(g,h,i)perylene      | 30.562 | 276  | 327500   | 18.995 | ng/ul# | 96       |

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

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BNA\_G  
ClientSampled :  
SSTD020518

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