

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG110821\  
 Data File : BG050916.D  
 Acq On : 9 Nov 2021 19:40  
 Operator : CG/JU  
 Sample : PB140592BS  
 Misc :  
 ALS Vial : 42 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SLCS592

Quant Time: Nov 10 07:06:20 2021  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG110321.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Nov 02 14:49:05 2021  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 11/10/2021  
 Supervised By :mohammad ahmed 11/11/2021

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.229  | 152  | 34934    | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 11.055 | 136  | 151770   | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.851 | 164  | 100184   | 20.000 | ng/u1  | -0.01    |
| 64) Phenanthrene-d10          | 17.594 | 188  | 222671   | 20.000 | ng/u1  | -0.01    |
| 79) Chrysene-d12              | 21.895 | 240  | 186194   | 20.000 | ng/u1  | -0.01    |
| 88) Perylene-d12              | 25.291 | 264  | 187976   | 20.000 | ng/u1  | -0.02    |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.587  | 96   | 7127     | 6.585  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 4.010  | 84   | 101822   | 31.446 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 7.371  | 99   | 117766   | 31.599 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.541  | 67   | 76846    | 31.920 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.753  | 132  | 82193    | 31.823 | ng/u1  | -0.01    |
| 15) 4-Methylphenol-d8         | 8.928  | 113  | 89599    | 30.539 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 9.398  | 128  | 42986    | 33.329 | ng/u1  | -0.01    |
| 24) 2-Nitrophenol-d4          | 10.127 | 143  | 46895    | 32.700 | ng/u1  | -0.01    |
| 28) 2,4-Dichlorophenol-d3     | 10.667 | 165  | 80691    | 33.402 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 11.184 | 131  | 101509   | 27.747 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 14.245 | 166  | 255126   | 33.286 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.551 | 160  | 319338   | 33.441 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 15.039 | 143  | 44223    | 31.821 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.838 | 176  | 222526   | 32.773 | ng/u1  | -0.01    |
| 65) 4,6-Dinitro-2-methylph... | 15.955 | 200  | 40240    | 29.807 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.694 | 188  | 343800   | 32.657 | ng/u1  | -0.01    |
| 81) Pyrene-d10                | 19.968 | 212  | 404291   | 33.618 | ng/u1  | -0.01    |
| 92) Benzo(a)pyrene-d12        | 25.062 | 264  | 340395   | 32.757 | ng/u1  | -0.01    |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.628  | 88   | 16162    | 13.595 | ng/uL  | 97       |
| 5) Pyridine                   | 4.034  | 79   | 110415   | 32.942 | ng/u1  | 94       |
| 6) Benzaldehyde               | 7.359  | 77   | 80053    | 34.056 | ng/u1  | 95       |
| 8) Phenol                     | 7.400  | 94   | 127359   | 33.035 | ng/u1  | 97       |
| 10) Bis(2-Chloroethyl)ether   | 7.635  | 93   | 96582    | 33.469 | ng/u1  | 96       |
| 12) 2-Chlorophenol            | 7.788  | 128  | 86362    | 32.933 | ng/u1  | 98       |
| 13) 2-Methylphenol            | 8.664  | 108  | 90500    | 31.759 | ng/u1  | 100      |
| 14) 2,2'-oxybis(1-Chloropr... | 8.746  | 45   | 146400   | 32.209 | ng/u1  | 98       |
| 16) Acetophenone              | 9.057  | 105  | 143036   | 31.383 | ng/u1  | 98       |
| 17) N-Nitroso-di-n-propyla... | 9.034  | 70   | 87085    | 31.668 | ng/u1  | 97       |
| 18) 4-Methylphenol            | 8.993  | 108  | 98246    | 32.381 | ng/u1  | 99       |
| 19) Hexachloroethane          | 9.322  | 117  | 36786    | 33.551 | ng/u1  | 96       |
| 22) Nitrobenzene              | 9.445  | 77   | 124938   | 34.733 | ng/u1  | 98       |
| 23) Isophorone                | 9.962  | 82   | 234853   | 33.641 | ng/u1  | 99       |
| 25) 2-Nitrophenol             | 10.156 | 139  | 50058    | 34.793 | ng/u1  | 97       |
| 26) 2,4-Dimethylphenol        | 10.203 | 107  | 108358   | 34.221 | ng/u1  | 98       |
| 27) Bis(2-Chloroethoxy)met... | 10.444 | 93   | 128938   | 34.278 | ng/u1  | 97       |
| 29) 2,4-Dichlorophenol        | 10.691 | 162  | 83018    | 35.231 | ng/u1  | 98       |
| 30) Naphthalene               | 11.108 | 128  | 288409   | 34.752 | ng/u1  | 98       |
| 32) 4-Chloroaniline           | 11.208 | 127  | 104493   | 28.766 | ng/u1  | 97       |
| 33) Hexachlorobutadiene       | 11.378 | 225  | 53494    | 34.589 | ng/u1  | 96       |
| 34) Caprolactam               | 11.966 | 113  | 32661m   | 32.649 | ng/u1  |          |
| 35) 4-Chloro-3-methylphenol   | 12.312 | 107  | 102657   | 34.104 | ng/u1  | 98       |
| 36) 2-Methylnaphthalene       | 12.694 | 142  | 190022   | 33.609 | ng/u1  | 95       |

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| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 37) 1-Methylnaphthalene       | 12.912 | 142  | 191783   | 33.476 | ng/ul  | 97       |
| 39) 1,2,4,5-Tetrachloroben... | 13.053 | 216  | 101967   | 34.931 | ng/ul  | 94       |
| 40) Hexachlorocyclopentadiene | 13.029 | 237  | 44692    | 31.882 | ng/ul  | 98       |
| 41) 2,4,6-Trichlorophenol     | 13.288 | 196  | 66185    | 34.650 | ng/ul  | 98       |
| 42) 2,4,5-Trichlorophenol     | 13.364 | 196  | 70261    | 34.262 | ng/ul  | 98       |
| 43) 1,1'-Biphenyl             | 13.687 | 154  | 254018   | 34.689 | ng/ul  | 98       |
| 44) 2-Chloronaphthalene       | 13.734 | 162  | 198450   | 34.583 | ng/ul  | 97       |
| 45) 2-Nitroaniline            | 13.934 | 65   | 80010    | 35.094 | ng/ul  | 94       |
| 47) Dimethylphthalate         | 14.292 | 163  | 262474   | 34.248 | ng/ul  | 100      |
| 48) 2,6-Dinitrotoluene        | 14.422 | 165  | 56062    | 34.951 | ng/ul  | 97       |
| 50) Acenaphthylene            | 14.580 | 152  | 329389   | 34.417 | ng/ul  | 99       |
| 51) 3-Nitroaniline            | 14.757 | 138  | 53239    | 32.091 | ng/ul  | 95       |
| 52) Acenaphthene              | 14.915 | 153  | 217780   | 34.606 | ng/ul  | 95       |
| 53) 2,4-Dinitrophenol         | 14.962 | 184  | 24774    | 27.997 | ng/ul  | 92       |
| 55) 4-Nitrophenol             | 15.056 | 109  | 42142    | 33.064 | ng/ul  | 89       |
| 56) Dibenzofuran              | 15.250 | 168  | 306460   | 34.021 | ng/ul  | 99       |
| 57) 2,4-Dinitrotoluene        | 15.209 | 165  | 81895    | 35.775 | ng/ul  | 100      |
| 58) 2,3,4,6-Tetrachlorophenol | 15.473 | 232  | 55233    | 34.272 | ng/ul# | 98       |
| 59) Diethylphthalate          | 15.644 | 149  | 283467   | 34.555 | ng/ul  | 99       |
| 61) Fluorene                  | 15.896 | 166  | 241808   | 33.915 | ng/ul  | 99       |
| 62) 4-Chlorophenyl-phenyle... | 15.879 | 204  | 129613   | 34.911 | ng/ul  | 100      |
| 63) 4-Nitroaniline            | 15.914 | 138  | 56668    | 34.432 | ng/ul  | 96       |
| 66) 4,6-Dinitro-2-methylph... | 15.973 | 198  | 42042    | 31.934 | ng/ul  | 97       |
| 67) N-Nitrosodiphenylamine    | 16.096 | 169  | 216500   | 34.784 | ng/ul  | 99       |
| 68) 4-Bromophenyl-phenylether | 16.778 | 248  | 77586    | 35.028 | ng/ul  | 96       |
| 69) Hexachlorobenzene         | 16.895 | 284  | 79779    | 35.036 | ng/ul  | 96       |
| 70) Atrazine                  | 17.030 | 200  | 87746    | 33.244 | ng/ul  | 97       |
| 71) Pentachlorophenol         | 17.242 | 266  | 32076    | 30.682 | ng/ul  | 92       |
| 72) Phenanthrene              | 17.641 | 178  | 416725   | 35.060 | ng/ul  | 98       |
| 74) Anthracene                | 17.730 | 178  | 409163   | 34.309 | ng/ul  | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 13.658 | 216  | 104815   | 34.571 | ng/uL  | 97       |
| 76) Pentachlorobenzene        | 15.168 | 250  | 94314    | 33.573 | ng/uL  | 98       |
| 77) Carbazole                 | 18.000 | 167  | 386057   | 36.116 | ng/ul  | 98       |
| 78) Di-n-butylphthalate       | 18.534 | 149  | 488080   | 34.749 | ng/ul  | 99       |
| 80) Fluoranthene              | 19.639 | 202  | 504516   | 34.957 | ng/ul  | 99       |
| 82) Pyrene                    | 20.003 | 202  | 490667   | 34.794 | ng/ul  | 100      |
| 83) Butylbenzylphthalate      | 20.867 | 149  | 216661   | 35.728 | ng/ul  | 97       |
| 84) 3,3'-Dichlorobenzidine    | 21.778 | 252  | 136118   | 30.018 | ng/ul  | 99       |
| 85) Benzo(a)anthracene        | 21.872 | 228  | 453692   | 35.197 | ng/ul  | 98       |
| 86) Bis(2-ethylhexyl)phtha... | 21.742 | 149  | 307757   | 35.355 | ng/ul  | 99       |
| 87) Chrysene                  | 21.942 | 228  | 429482   | 34.879 | ng/ul  | 98       |
| 89) Di-n-octyl phthalate      | 23.012 | 149  | 523133   | 34.184 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 24.204 | 252  | 458061   | 34.206 | ng/ul  | 99       |
| 91) Benzo(k)fluoranthene      | 24.275 | 252  | 428843   | 34.127 | ng/ul  | 98       |
| 93) Benzo(a)pyrene            | 25.133 | 252  | 434587   | 34.074 | ng/ul  | 99       |
| 94) Indeno(1,2,3-cd)pyrene    | 29.198 | 276  | 488562   | 34.411 | ng/ul  | 97       |
| 95) Dibenzo(a,h)anthracene    | 29.257 | 278  | 413279   | 34.402 | ng/ul  | 99       |
| 96) Benzo(g,h,i)perylene      | 30.421 | 276  | 408261   | 34.352 | ng/ul  | 99       |

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

