

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG082621\  
 Data File : BG050006.D  
 Acq On : 27 Aug 2021 20:23  
 Operator : CG/JU  
 Sample : PB138646BS  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SLCS646

Manual Integrations  
 APPROVED

mohammad  
 8/30/2021 10:32:50 AM

Quant Time: Aug 27 23:36:52 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SFAM-EPA-BG081921.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Aug 27 11:22:49 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.972  | 152  | 28104    | 20.000 | ng/u1  | -0.01    |
| 20) Naphthalene-d8            | 10.786 | 136  | 112554   | 20.000 | ng/u1  | #-0.02   |
| 38) Acenaphthene-d10          | 14.628 | 164  | 75126    | 20.000 | ng/u1  | -0.01    |
| 64) Phenanthrene-d10          | 17.383 | 188  | 164787   | 20.000 | ng/u1  | -0.01    |
| 79) Chrysene-d12              | 21.653 | 240  | 157001   | 20.000 | ng/u1  | -0.01    |
| 88) Perylene-d12              | 24.878 | 264  | 161740   | 20.000 | ng/u1  | -0.02    |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.319  | 96   | 4129m    | 7.576  | ng/uL  | -0.02    |
| 4) Pyridine-d5                | 3.754  | 84   | 52395    | 31.917 | ng/u1  | -0.02    |
| 7) Phenol-d5                  | 7.138  | 99   | 80398    | 33.689 | ng/u1  | -0.01    |
| 9) Bis-(2-Chloroethyl)eth...  | 7.290  | 67   | 44320    | 33.428 | ng/u1  | -0.02    |
| 11) 2-Chlorophenol-d4         | 7.496  | 132  | 63241    | 35.416 | ng/u1  | -0.02    |
| 15) 4-Methylphenol-d8         | 8.689  | 113  | 60999    | 32.455 | ng/u1  | -0.01    |
| 21) Nitrobenzene-d5           | 9.141  | 128  | 29739    | 34.081 | ng/u1  | -0.01    |
| 24) 2-Nitrophenol-d4          | 9.869  | 143  | 37106    | 35.712 | ng/u1  | -0.01    |
| 28) 2,4-Dichlorophenol-d3     | 10.416 | 165  | 64144    | 34.612 | ng/u1  | -0.01    |
| 31) 4-Chloroaniline-d4        | 10.927 | 131  | 81641    | 32.365 | ng/u1  | -0.01    |
| 46) Dimethylphthalate-d6      | 14.028 | 166  | 195533   | 34.009 | ng/u1  | -0.01    |
| 49) Acenaphthylene-d8         | 14.322 | 160  | 238287   | 35.347 | ng/u1  | -0.01    |
| 54) 4-Nitrophenol-d4          | 14.857 | 143  | 24096    | 28.967 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.620 | 176  | 168687   | 34.604 | ng/u1  | -0.01    |
| 65) 4,6-Dinitro-2-methylph... | 15.756 | 200  | 34747    | 32.775 | ng/u1  | -0.01    |
| 73) Anthracene-d10            | 17.483 | 188  | 258757   | 34.968 | ng/u1  | -0.01    |
| 81) Pyrene-d10                | 19.774 | 212  | 300504   | 35.419 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.661 | 264  | 292107   | 34.042 | ng/u1  | -0.01    |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.361  | 88   | 8935m    | 13.448 | ng/uL  |          |
| 5) Pyridine                   | 3.772  | 79   | 58287    | 32.852 | ng/u1  | 98       |
| 6) Benzaldehyde               | 7.097  | 77   | 55144    | 40.154 | ng/u1  | 98       |
| 8) Phenol                     | 7.167  | 94   | 83815    | 34.771 | ng/u1  | 97       |
| 10) Bis(2-Chloroethyl)ether   | 7.379  | 93   | 57292    | 34.430 | ng/u1  | 95       |
| 12) 2-Chlorophenol            | 7.531  | 128  | 65098    | 36.893 | ng/u1# | 87       |
| 13) 2-Methylphenol            | 8.418  | 108  | 63418    | 34.101 | ng/u1  | 93       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.495  | 45   | 58758    | 33.673 | ng/u1# | 93       |
| 16) Acetophenone              | 8.794  | 105  | 102227   | 33.352 | ng/u1  | 96       |
| 17) N-Nitroso-di-n-propyla... | 8.777  | 70   | 51319    | 33.344 | ng/u1  | 95       |
| 18) 4-Methylphenol            | 8.753  | 108  | 67423    | 33.700 | ng/u1  | 86       |
| 19) Hexachloroethane          | 9.053  | 117  | 28057    | 36.333 | ng/u1  | 91       |
| 22) Nitrobenzene              | 9.182  | 77   | 84931    | 35.920 | ng/u1  | 99       |
| 23) Isophorone                | 9.705  | 82   | 141916   | 33.687 | ng/u1# | 94       |
| 25) 2-Nitrophenol             | 9.899  | 139  | 37515    | 37.136 | ng/u1  | 93       |
| 26) 2,4-Dimethylphenol        | 9.957  | 107  | 74800    | 33.318 | ng/u1  | 94       |
| 27) Bis(2-Chloroethoxy)met... | 10.187 | 93   | 76763    | 35.286 | ng/u1  | 94       |
| 29) 2,4-Dichlorophenol        | 10.445 | 162  | 63518    | 37.342 | ng/u1  | 97       |
| 30) Naphthalene               | 10.839 | 128  | 196635   | 34.953 | ng/u1  | 98       |
| 32) 4-Chloroaniline           | 10.950 | 127  | 75869    | 31.231 | ng/u1  | 92       |
| 33) Hexachlorobutadiene       | 11.121 | 225  | 50435    | 36.652 | ng/u1  | 87       |
| 34) Caprolactam               | 11.714 | 113  | 20792m   | 34.896 | ng/u1  |          |
| 35) 4-Chloro-3-methylphenol   | 12.090 | 107  | 73104    | 35.960 | ng/u1  | 98       |
| 36) 2-Methylnaphthalene       | 12.448 | 142  | 147654   | 35.308 | ng/u1  | 96       |

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|-------------------------------|--------|------|----------|--------|--------|----------|
| 37) 1-Methylnaphthalene       | 12.671 | 142  | 141271   | 33.467 | ng/ul  | 100      |
| 39) 1,2,4,5-Tetrachloroben... | 12.818 | 216  | 82104    | 37.209 | ng/ul# | 96       |
| 40) Hexachlorocyclopentadiene | 12.789 | 237  | 13745    | 13.918 | ng/ul  | 86       |
| 41) 2,4,6-Trichlorophenol     | 13.065 | 196  | 50804    | 36.129 | ng/ul  | 89       |
| 42) 2,4,5-Trichlorophenol     | 13.147 | 196  | 51599    | 35.012 | ng/ul  | 96       |
| 43) 1,1'-Biphenyl             | 13.453 | 154  | 189353   | 36.077 | ng/ul  | 99       |
| 44) 2-Chloronaphthalene       | 13.506 | 162  | 148033   | 35.114 | ng/ul  | 98       |
| 45) 2-Nitroaniline            | 13.711 | 65   | 52684    | 36.807 | ng/ul  | 94       |
| 47) Dimethylphthalate         | 14.075 | 163  | 196324   | 34.503 | ng/ul  | 97       |
| 48) 2,6-Dinitrotoluene        | 14.205 | 165  | 42470    | 36.152 | ng/ul# | 94       |
| 50) Acenaphthylene            | 14.352 | 152  | 218711   | 35.497 | ng/ul  | 99       |
| 51) 3-Nitroaniline            | 14.540 | 138  | 39739    | 35.056 | ng/ul  | 99       |
| 52) Acenaphthene              | 14.692 | 153  | 157379   | 35.212 | ng/ul  | 96       |
| 53) 2,4-Dinitrophenol         | 14.763 | 184  | 16608    | 27.680 | ng/ul  | 94       |
| 55) 4-Nitrophenol             | 14.868 | 109  | 33436    | 31.703 | ng/ul  | 94       |
| 56) Dibenzofuran              | 15.027 | 168  | 218051   | 35.230 | ng/ul  | 99       |
| 57) 2,4-Dinitrotoluene        | 14.998 | 165  | 59806    | 35.392 | ng/ul# | 99       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.262 | 232  | 42621    | 34.899 | ng/ul# | 97       |
| 59) Diethylphthalate          | 15.438 | 149  | 201009   | 34.532 | ng/ul  | 98       |
| 61) Fluorene                  | 15.679 | 166  | 186641   | 35.742 | ng/ul  | 94       |
| 62) 4-Chlorophenyl-phenyle... | 15.667 | 204  | 97578    | 35.317 | ng/ul  | 93       |
| 63) 4-Nitroaniline            | 15.703 | 138  | 42300    | 37.393 | ng/ul  | 98       |
| 66) 4,6-Dinitro-2-methylph... | 15.773 | 198  | 30707    | 31.956 | ng/ul  | 95       |
| 67) N-Nitrosodiphenylamine    | 15.885 | 169  | 157315   | 36.261 | ng/ul  | 98       |
| 68) 4-Bromophenyl-phenylether | 16.560 | 248  | 68266    | 37.449 | ng/ul  | 95       |
| 69) Hexachlorobenzene         | 16.690 | 284  | 76992    | 36.576 | ng/ul  | 97       |
| 70) Atrazine                  | 16.831 | 200  | 69683    | 36.154 | ng/ul  | 97       |
| 71) Pentachlorophenol         | 17.042 | 266  | 19956m   | 22.388 | ng/ul  |          |
| 72) Phenanthrene              | 17.424 | 178  | 307708   | 37.456 | ng/ul  | 98       |
| 74) Anthracene                | 17.518 | 178  | 295633   | 35.512 | ng/ul  | 93       |
| 75) 1,2,3,4-Tetrachloroben... | 13.429 | 216  | 86342    | 39.053 | ng/ul  | 85       |
| 76) Pentachlorobenzene        | 14.951 | 250  | 86942    | 37.113 | ng/ul  | 92       |
| 77) Carbazole                 | 17.788 | 167  | 269428   | 36.371 | ng/ul  | 99       |
| 78) Di-n-butylphthalate       | 18.334 | 149  | 335355   | 35.397 | ng/ul  | 98       |
| 80) Fluoranthene              | 19.439 | 202  | 377645   | 36.071 | ng/ul  | 98       |
| 82) Pyrene                    | 19.797 | 202  | 370567   | 35.719 | ng/ul  | 98       |
| 83) Butylbenzylphthalate      | 20.672 | 149  | 149425   | 36.498 | ng/ul  | 99       |
| 84) 3,3'-Dichlorobenzidine    | 21.548 | 252  | 137697   | 36.999 | ng/ul# | 93       |
| 85) Benzo(a)anthracene        | 21.636 | 228  | 357048   | 36.498 | ng/ul  | 98       |
| 86) Bis(2-ethylhexyl)phtha... | 21.524 | 149  | 208822   | 37.141 | ng/ul  | 100      |
| 87) Chrysene                  | 21.700 | 228  | 340406   | 36.810 | ng/ul  | 96       |
| 89) Di-n-octyl phthalate      | 22.728 | 149  | 351515   | 36.636 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 23.856 | 252  | 372876   | 36.041 | ng/ul  | 98       |
| 91) Benzo(k)fluoranthene      | 23.921 | 252  | 356136   | 36.214 | ng/ul  | 99       |
| 93) Benzo(a)pyrene            | 24.726 | 252  | 326379   | 36.325 | ng/ul  | 98       |
| 94) Indeno(1,2,3-cd)pyrene    | 28.573 | 276  | 422619m  | 35.657 | ng/ul  |          |
| 95) Dibenzo(a,h)anthracene    | 28.626 | 278  | 350583   | 35.334 | ng/ul  | 98       |
| 96) Benzo(g,h,i)perylene      | 29.731 | 276  | 346979   | 34.822 | ng/ul  | 95       |

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

