

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG050123\  
 Data File : BG057268.D  
 Acq On : 2 May 2023 3:27  
 Operator : CG/JU  
 Sample : PB152374BS  
 Misc :  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SLCS374

Manual Integrations  
 APPROVED

Reviewed By : Christian Giraldo 05/02/2023  
 Supervised By : Jagrut Upadhyay 05/02/2023

Quant Time: May 02 04:29:19 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG042823.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon May 01 12:45:38 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.381  | 152  | 15496    | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 11.224 | 136  | 64460    | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.995 | 164  | 46576    | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.733 | 188  | 107205   | 20.000 | ng/u1  | # 0.00   |
| 79) Chrysene-d12              | 22.050 | 240  | 91071    | 20.000 | ng/u1  | # 0.00   |
| 88) Perylene-d12              | 25.569 | 264  | 96745    | 20.000 | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.663  | 96   | 1780     | 5.055  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 4.104  | 84   | 27716    | 24.965 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 7.523  | 99   | 44665    | 30.478 | ng/u1  | 0.01     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.687  | 67   | 25312    | 29.366 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.911  | 132  | 32200    | 33.343 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 9.080  | 113  | 34197    | 30.703 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 9.561  | 128  | 16678    | 32.490 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 10.290 | 143  | 20548    | 34.299 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.836 | 165  | 38985    | 33.729 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 11.347 | 131  | 41250    | 26.928 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 14.378 | 166  | 116827   | 31.656 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.696 | 160  | 138332   | 33.350 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 15.183 | 143  | 16229    | 30.211 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.982 | 176  | 107714   | 31.330 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 16.100 | 200  | 18724    | 29.479 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.833 | 188  | 162881   | 33.286 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 20.100 | 212  | 184398   | 34.112 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 25.334 | 264  | 164756   | 33.426 | ng/u1  | 0.01     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.705  | 88   | 3643     | 9.755  | ng/uL  | 90       |
| 5) Pyridine                   | 4.122  | 79   | 27112    | 23.167 | ng/u1  | 92       |
| 6) Benzaldehyde               | 7.505  | 77   | 26626    | 59.488 | ng/u1# | 84       |
| 8) Phenol                     | 7.546  | 94   | 42812    | 28.985 | ng/u1  | 90       |
| 10) Bis(2-Chloroethyl)ether   | 7.781  | 93   | 30947    | 27.995 | ng/u1  | 98       |
| 12) 2-Chlorophenol            | 7.946  | 128  | 31492    | 31.046 | ng/u1  | 99       |
| 13) 2-Methylphenol            | 8.821  | 108  | 33100    | 28.916 | ng/u1  | 88       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.898  | 45   | 37599    | 26.380 | ng/u1  | 95       |
| 16) Acetophenone              | 9.209  | 105  | 53494    | 27.911 | ng/u1  | 99       |
| 17) N-Nitroso-di-n-propyla... | 9.185  | 70   | 30347    | 27.554 | ng/u1  | 96       |
| 18) 4-Methylphenol            | 9.150  | 108  | 35596    | 28.729 | ng/u1  | 95       |
| 19) Hexachloroethane          | 9.479  | 117  | 13399    | 31.571 | ng/u1  | 97       |
| 22) Nitrobenzene              | 9.602  | 77   | 47451    | 31.042 | ng/u1  | 99       |
| 23) Isophorone                | 10.125 | 82   | 82056    | 28.214 | ng/u1  | 99       |
| 25) 2-Nitrophenol             | 10.319 | 139  | 19462    | 32.074 | ng/u1  | 95       |
| 26) 2,4-Dimethylphenol        | 10.366 | 107  | 40064    | 29.105 | ng/u1  | 98       |
| 27) Bis(2-Chloroethoxy)met... | 10.595 | 93   | 43335    | 28.665 | ng/u1  | 99       |
| 29) 2,4-Dichlorophenol        | 10.865 | 162  | 35216    | 32.100 | ng/u1  | 97       |
| 30) Naphthalene               | 11.271 | 128  | 107883   | 30.482 | ng/u1  | 99       |
| 32) 4-Chloroaniline           | 11.371 | 127  | 37446    | 23.460 | ng/u1  | 100      |
| 33) Hexachlorobutadiene       | 11.541 | 225  | 31418    | 33.765 | ng/u1  | 99       |
| 34) Caprolactam               | 12.128 | 113  | 10148m   | 27.477 | ng/u1  |          |
| 35) 4-Chloro-3-methylphenol   | 12.469 | 107  | 37299    | 29.549 | ng/u1  | 92       |
| 36) 2-Methylnaphthalene       | 12.851 | 142  | 78736    | 30.336 | ng/u1  | 99       |

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| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 37) 1-Methylnaphthalene       | 13.068 | 142  | 78628    | 30.128 | ng/ul  | 97       |
| 39) 1,2,4,5-Tetrachloroben... | 13.209 | 216  | 57519    | 33.983 | ng/ul  | 98       |
| 40) Hexachlorocyclopentadiene | 13.180 | 237  | 13025    | 15.421 | ng/ul  | 96       |
| 41) 2,4,6-Trichlorophenol     | 13.444 | 196  | 32745    | 33.218 | ng/ul  | 95       |
| 42) 2,4,5-Trichlorophenol     | 13.521 | 196  | 33616    | 31.762 | ng/ul  | 91       |
| 43) 1,1'-Biphenyl             | 13.832 | 154  | 110704   | 31.150 | ng/ul  | 99       |
| 44) 2-Chloronaphthalene       | 13.885 | 162  | 88041    | 31.950 | ng/ul  | 98       |
| 45) 2-Nitroaniline            | 14.079 | 65   | 27455    | 33.004 | ng/ul  | 96       |
| 47) Dimethylphthalate         | 14.425 | 163  | 108829   | 29.365 | ng/ul  | 100      |
| 48) 2,6-Dinitrotoluene        | 14.560 | 165  | 23597    | 30.939 | ng/ul  | 98       |
| 50) Acenaphthylene            | 14.725 | 152  | 128045   | 30.378 | ng/ul  | 98       |
| 51) 3-Nitroaniline            | 14.895 | 138  | 20647    | 38.206 | ng/ul  | 97       |
| 52) Acenaphthene              | 15.060 | 153  | 90750    | 30.217 | ng/ul  | 99       |
| 53) 2,4-Dinitrophenol         | 15.107 | 184  | 9337     | 22.988 | ng/ul  | 88       |
| 55) 4-Nitrophenol             | 15.195 | 109  | 17595    | 28.893 | ng/ul  | 89       |
| 56) Dibenzofuran              | 15.389 | 168  | 131763   | 30.382 | ng/ul  | 98       |
| 57) 2,4-Dinitrotoluene        | 15.348 | 165  | 33109    | 30.324 | ng/ul  | 99       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.618 | 232  | 28759    | 29.905 | ng/ul  | 99       |
| 59) Diethylphthalate          | 15.776 | 149  | 109720   | 29.140 | ng/ul  | 99       |
| 61) Fluorene                  | 16.041 | 166  | 107663   | 29.358 | ng/ul  | 98       |
| 62) 4-Chlorophenyl-phenyle... | 16.011 | 204  | 63858    | 29.834 | ng/ul  | 98       |
| 63) 4-Nitroaniline            | 16.053 | 138  | 21674    | 42.351 | ng/ul  | 86       |
| 66) 4,6-Dinitro-2-methylph... | 16.111 | 198  | 17782    | 27.473 | ng/ul  | 99       |
| 67) N-Nitrosodiphenylamine    | 16.229 | 169  | 91232    | 32.578 | ng/ul  | 99       |
| 68) 4-Bromophenyl-phenylether | 16.910 | 248  | 41576    | 32.447 | ng/ul  | 94       |
| 69) Hexachlorobenzene         | 17.045 | 284  | 44967    | 33.326 | ng/ul  | 98       |
| 70) Atrazine                  | 17.157 | 200  | 25501    | 20.489 | ng/ul  | 97       |
| 71) Pentachlorophenol         | 17.386 | 266  | 17793    | 28.529 | ng/ul  | 96       |
| 72) Phenanthrene              | 17.780 | 178  | 173288   | 31.040 | ng/ul  | 100      |
| 74) Anthracene                | 17.868 | 178  | 172229   | 30.712 | ng/ul  | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 13.809 | 216  | 57898    | 35.907 | ng/uL  | 99       |
| 76) Pentachlorobenzene        | 15.312 | 250  | 57348    | 34.941 | ng/uL  | 96       |
| 77) Carbazole                 | 18.132 | 167  | 148518   | 31.691 | ng/ul  | 99       |
| 78) Di-n-butylphthalate       | 18.649 | 149  | 173346   | 32.347 | ng/ul  | 99       |
| 80) Fluoranthene              | 19.765 | 202  | 207232   | 32.272 | ng/ul  | 98       |
| 82) Pyrene                    | 20.129 | 202  | 205445   | 31.604 | ng/ul# | 96       |
| 83) Butylbenzylphthalate      | 20.981 | 149  | 67542    | 32.445 | ng/ul  | 97       |
| 84) 3,3'-Dichlorobenzidine    | 21.921 | 252  | 71892    | 35.545 | ng/ul  | 96       |
| 85) Benzo(a)anthracene        | 22.027 | 228  | 203756   | 31.634 | ng/ul  | 99       |
| 86) Bis(2-ethylhexyl)phtha... | 21.874 | 149  | 96360    | 31.826 | ng/ul  | 95       |
| 87) Chrysene                  | 22.097 | 228  | 189964   | 31.260 | ng/ul  | 99       |
| 89) Di-n-octyl phthalate      | 23.172 | 149  | 166679   | 31.199 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 24.441 | 252  | 203522   | 30.379 | ng/ul# | 98       |
| 91) Benzo(k)fluoranthene      | 24.518 | 252  | 205519m  | 31.532 | ng/ul  |          |
| 93) Benzo(a)pyrene            | 25.410 | 252  | 180409   | 31.192 | ng/ul# | 97       |
| 94) Indeno(1,2,3-cd)pyrene    | 29.652 | 276  | 220430m  | 30.488 | ng/ul  |          |
| 95) Dibenzo(a,h)anthracene    | 29.705 | 278  | 186075   | 31.038 | ng/ul  | 99       |
| 96) Benzo(g,h,i)perylene      | 30.932 | 276  | 173393m  | 29.633 | ng/ul  |          |

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

