

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG120621\  
 Data File : BG051350.D  
 Acq On : 6 Dec 2021 14:48  
 Operator : CG/JU  
 Sample : PB141174BS  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SLCS174

Manual Integrations  
 APPROVED

Reviewed By :Jagrut Upadhyay 12/06/2021  
 Supervised By :mohammad ahmed 12/07/2021

Quant Time: Dec 06 15:22:06 2021  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG112321.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Dec 03 15:23:09 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.194  | 152  | 19937    | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 11.020 | 136  | 85899    | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.827 | 164  | 57337    | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.577 | 188  | 135407   | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.878 | 240  | 128070   | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 25.280 | 264  | 132097   | 20.000 | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.529  | 96   | 3536     | 6.163  | ng/uL  | -0.02    |
| 4) Pyridine-d5                | 3.957  | 84   | 51099    | 30.353 | ng/u1  | -0.02    |
| 7) Phenol-d5                  | 7.359  | 99   | 71747    | 36.412 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.506  | 67   | 41685    | 33.684 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.724  | 132  | 51890    | 36.570 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.910  | 113  | 55629    | 34.985 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 9.369  | 128  | 25564    | 35.255 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 10.097 | 143  | 29650    | 36.249 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.644 | 165  | 52413    | 37.767 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 11.161 | 131  | 101022   | 49.749 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 14.216 | 166  | 155033   | 35.141 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.522 | 160  | 199471   | 35.856 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 15.056 | 143  | 29471    | 41.269 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.814 | 176  | 144366   | 36.339 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.955 | 200  | 16907    | 20.235 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.677 | 188  | 238567   | 36.838 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.956 | 212  | 267734   | 34.550 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 25.050 | 264  | 249396   | 35.351 | ng/u1  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.564  | 88   | 7621     | 11.778 | ng/uL# | 86       |
| 5) Pyridine                   | 3.981  | 79   | 53987    | 30.818 | ng/u1  | 99       |
| 6) Benzaldehyde               | 7.324  | 77   | 48127    | 38.353 | ng/u1  | 98       |
| 8) Phenol                     | 7.383  | 94   | 71407    | 34.982 | ng/u1  | 100      |
| 10) Bis(2-Chloroethyl)ether   | 7.600  | 93   | 50044    | 32.406 | ng/u1  | 94       |
| 12) 2-Chlorophenol            | 7.759  | 128  | 50817    | 35.145 | ng/u1  | 96       |
| 13) 2-Methylphenol            | 8.640  | 108  | 52021    | 34.214 | ng/u1  | 99       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.717  | 45   | 70171    | 31.488 | ng/u1  | 95       |
| 16) Acetophenone              | 9.022  | 105  | 78782    | 32.032 | ng/u1  | 96       |
| 17) N-Nitroso-di-n-propyla... | 8.993  | 70   | 44185    | 31.263 | ng/u1  | 98       |
| 18) 4-Methylphenol            | 8.975  | 108  | 55385    | 34.065 | ng/u1  | 96       |
| 19) Hexachloroethane          | 9.275  | 117  | 20621    | 33.764 | ng/u1  | 96       |
| 22) Nitrobenzene              | 9.416  | 77   | 66510    | 34.981 | ng/u1  | 97       |
| 23) Isophorone                | 9.933  | 82   | 119908   | 32.461 | ng/u1  | 99       |
| 25) 2-Nitrophenol             | 10.133 | 139  | 29431    | 34.738 | ng/u1  | 90       |
| 26) 2,4-Dimethylphenol        | 10.180 | 107  | 62585    | 36.131 | ng/u1  | 99       |
| 27) Bis(2-Chloroethoxy)met... | 10.409 | 93   | 66208    | 32.467 | ng/u1  | 99       |
| 29) 2,4-Dichlorophenol        | 10.673 | 162  | 48832    | 35.745 | ng/u1  | 97       |
| 30) Naphthalene               | 11.073 | 128  | 159576   | 34.142 | ng/u1  | 97       |
| 32) 4-Chloroaniline           | 11.184 | 127  | 65061    | 31.914 | ng/u1  | 98       |
| 33) Hexachlorobutadiene       | 11.331 | 225  | 31894    | 33.847 | ng/u1  | 95       |
| 34) Caprolactam               | 11.948 | 113  | 19796m   | 36.860 | ng/u1  |          |
| 35) 4-Chloro-3-methylphenol   | 12.301 | 107  | 59274    | 36.119 | ng/u1  | 96       |
| 36) 2-Methylnaphthalene       | 12.665 | 142  | 105537   | 33.197 | ng/u1  | 97       |

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| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 37) 1-Methylnaphthalene       | 12.882 | 142  | 110367   | 33.744 | ng/ul  | 99       |
| 39) 1,2,4,5-Tetrachloroben... | 13.029 | 216  | 62879    | 34.932 | ng/ul  | 97       |
| 40) Hexachlorocyclopentadiene | 12.994 | 237  | 5279     | 7.256  | ng/ul  | 92       |
| 41) 2,4,6-Trichlorophenol     | 13.270 | 196  | 42389    | 37.526 | ng/ul  | 99       |
| 42) 2,4,5-Trichlorophenol     | 13.358 | 196  | 47270    | 39.961 | ng/ul  | 97       |
| 43) 1,1'-Biphenyl             | 13.658 | 154  | 143047   | 33.403 | ng/ul  | 98       |
| 44) 2-Chloronaphthalene       | 13.711 | 162  | 115846   | 34.006 | ng/ul  | 100      |
| 45) 2-Nitroaniline            | 13.916 | 65   | 45096    | 38.249 | ng/ul  | 95       |
| 47) Dimethylphthalate         | 14.269 | 163  | 148286   | 33.206 | ng/ul  | 100      |
| 48) 2,6-Dinitrotoluene        | 14.404 | 165  | 33576    | 35.795 | ng/ul  | 93       |
| 50) Acenaphthylene            | 14.551 | 152  | 191457   | 34.834 | ng/ul  | 97       |
| 51) 3-Nitroaniline            | 14.739 | 138  | 36451    | 39.313 | ng/ul  | 91       |
| 52) Acenaphthene              | 14.892 | 153  | 122852   | 33.892 | ng/ul  | 97       |
| 53) 2,4-Dinitrophenol         | 14.968 | 184  | 4606     | 8.884  | ng/ul  | 91       |
| 55) 4-Nitrophenol             | 15.068 | 109  | 25589    | 41.307 | ng/ul  | 92       |
| 56) Dibenzofuran              | 15.227 | 168  | 178975   | 34.232 | ng/ul  | 99       |
| 57) 2,4-Dinitrotoluene        | 15.197 | 165  | 49315    | 36.809 | ng/ul  | 97       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.456 | 232  | 36523    | 39.319 | ng/ul  | 99       |
| 59) Diethylphthalate          | 15.620 | 149  | 163354   | 34.850 | ng/ul  | 99       |
| 61) Fluorene                  | 15.873 | 166  | 147782   | 35.288 | ng/ul  | 99       |
| 62) 4-Chlorophenyl-phenyle... | 15.855 | 204  | 76953    | 34.096 | ng/ul  | 96       |
| 63) 4-Nitroaniline            | 15.908 | 138  | 40484    | 44.868 | ng/ul  | 95       |
| 66) 4,6-Dinitro-2-methylph... | 15.973 | 198  | 14903    | 18.494 | ng/ul  | 96       |
| 67) N-Nitrosodiphenylamine    | 16.073 | 169  | 138548   | 35.741 | ng/ul  | 96       |
| 68) 4-Bromophenyl-phenylether | 16.748 | 248  | 49361    | 34.013 | ng/ul  | 95       |
| 69) Hexachlorobenzene         | 16.878 | 284  | 52816    | 35.691 | ng/ul  | 96       |
| 70) Atrazine                  | 17.013 | 200  | 58737    | 36.054 | ng/ul  | 97       |
| 71) Pentachlorophenol         | 17.236 | 266  | 19154    | 29.211 | ng/ul  | 96       |
| 72) Phenanthrene              | 17.618 | 178  | 261213   | 34.938 | ng/ul  | 99       |
| 74) Anthracene                | 17.712 | 178  | 264161   | 35.577 | ng/ul  | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 13.634 | 216  | 66073    | 33.454 | ng/ul  | 99       |
| 76) Pentachlorobenzene        | 15.144 | 250  | 59008    | 32.065 | ng/ul  | 98       |
| 77) Carbazole                 | 17.982 | 167  | 249652   | 38.305 | ng/ul  | 99       |
| 78) Di-n-butylphthalate       | 18.505 | 149  | 304554   | 36.240 | ng/ul  | 99       |
| 80) Fluoranthene              | 19.621 | 202  | 316655   | 33.270 | ng/ul  | 96       |
| 82) Pyrene                    | 19.986 | 202  | 316204   | 33.963 | ng/ul# | 94       |
| 83) Butylbenzylphthalate      | 20.844 | 149  | 126924   | 32.792 | ng/ul  | 94       |
| 84) 3,3'-Dichlorobenzidine    | 21.760 | 252  | 101260   | 33.959 | ng/ul  | 98       |
| 85) Benzo(a)anthracene        | 21.860 | 228  | 300429   | 34.586 | ng/ul  | 99       |
| 86) Bis(2-ethylhexyl)phtha... | 21.713 | 149  | 188565   | 33.855 | ng/ul# | 99       |
| 87) Chrysene                  | 21.931 | 228  | 289809   | 34.729 | ng/ul  | 100      |
| 89) Di-n-octyl phthalate      | 22.976 | 149  | 317063   | 33.131 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 24.193 | 252  | 305054   | 34.219 | ng/ul  | 99       |
| 91) Benzo(k)fluoranthene      | 24.257 | 252  | 279340   | 33.391 | ng/ul  | 99       |
| 93) Benzo(a)pyrene            | 25.121 | 252  | 295437   | 34.737 | ng/ul  | 98       |
| 94) Indeno(1,2,3-cd)pyrene    | 29.198 | 276  | 337192   | 35.430 | ng/ul  | 96       |
| 95) Dibenzo(a,h)anthracene    | 29.251 | 278  | 287943   | 35.663 | ng/ul  | 98       |
| 96) Benzo(g,h,i)perylene      | 30.444 | 276  | 277237m  | 34.623 | ng/ul  |          |

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

