

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG120921\  
 Data File : BG051456.D  
 Acq On : 10 Dec 2021 14:54  
 Operator : CG/JU  
 Sample : PB141293BS  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SLCS293

Manual Integrations  
 APPROVED

Reviewed By :Jagrut Upadhyay 12/13/2021  
 Supervised By :Yogesh Patel 12/15/2021

Quant Time: Dec 11 01:29:37 2021  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG120821.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Dec 09 03:21:41 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.185  | 152  | 25581    | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 11.011 | 136  | 116125   | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.818 | 164  | 77210    | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.568 | 188  | 174985   | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.869 | 240  | 158918   | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 25.265 | 264  | 159996   | 20.000 | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.531  | 96   | 4650     | 5.969  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.966  | 84   | 57447    | 25.681 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 7.362  | 99   | 79840    | 30.658 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.503  | 67   | 51081    | 30.587 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.720  | 132  | 57025    | 30.778 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.913  | 113  | 62076    | 30.343 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 9.366  | 128  | 30765    | 30.541 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 10.094 | 143  | 34218    | 30.019 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.646 | 165  | 58658    | 31.632 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 11.163 | 131  | 73333    | 27.037 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 14.213 | 166  | 190679   | 31.916 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.518 | 160  | 237762   | 31.422 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 15.071 | 143  | 24724    | 27.487 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.805 | 176  | 172615   | 32.457 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.952 | 200  | 34514    | 33.192 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.668 | 188  | 267804   | 32.709 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.947 | 212  | 316133   | 33.096 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 25.030 | 264  | 270948   | 32.833 | ng/u1  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.567  | 88   | 9913     | 11.405 | ng/uL# | 91       |
| 5) Pyridine                   | 3.990  | 79   | 63883    | 27.360 | ng/u1  | 98       |
| 6) Benzaldehyde               | 7.327  | 77   | 55909    | 33.771 | ng/u1  | 94       |
| 8) Phenol                     | 7.386  | 94   | 83395    | 31.286 | ng/u1  | 98       |
| 10) Bis(2-Chloroethyl)ether   | 7.597  | 93   | 62427    | 30.577 | ng/u1  | 95       |
| 12) 2-Chlorophenol            | 7.756  | 128  | 57859    | 30.486 | ng/u1  | 99       |
| 13) 2-Methylphenol            | 8.643  | 108  | 61273    | 30.875 | ng/u1  | 97       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.702  | 45   | 93910    | 30.568 | ng/u1# | 96       |
| 16) Acetophenone              | 9.019  | 105  | 97792    | 30.869 | ng/u1  | 100      |
| 17) N-Nitroso-di-n-propyla... | 8.990  | 70   | 58342    | 30.720 | ng/u1  | 97       |
| 18) 4-Methylphenol            | 8.978  | 108  | 65735    | 31.531 | ng/u1  | 98       |
| 19) Hexachloroethane          | 9.266  | 117  | 24785    | 30.202 | ng/u1  | 97       |
| 22) Nitrobenzene              | 9.413  | 77   | 84545    | 30.849 | ng/u1  | 98       |
| 23) Isophorone                | 9.930  | 82   | 160830   | 30.567 | ng/u1  | 100      |
| 25) 2-Nitrophenol             | 10.124 | 139  | 35130    | 30.777 | ng/u1  | 99       |
| 26) 2,4-Dimethylphenol        | 10.182 | 107  | 73379    | 30.357 | ng/u1  | 99       |
| 27) Bis(2-Chloroethoxy)met... | 10.406 | 93   | 87251    | 30.619 | ng/u1  | 96       |
| 29) 2,4-Dichlorophenol        | 10.676 | 162  | 56444    | 31.045 | ng/u1  | 92       |
| 30) Naphthalene               | 11.064 | 128  | 195091   | 30.593 | ng/u1  | 99       |
| 32) 4-Chloroaniline           | 11.187 | 127  | 73187    | 26.824 | ng/u1  | 99       |
| 33) Hexachlorobutadiene       | 11.322 | 225  | 36867    | 29.728 | ng/u1  | 98       |
| 34) Caprolactam               | 11.968 | 113  | 22261m   | 29.548 | ng/u1  |          |
| 35) 4-Chloro-3-methylphenol   | 12.309 | 107  | 70719    | 31.314 | ng/u1  | 97       |
| 36) 2-Methylnaphthalene       | 12.656 | 142  | 132013   | 31.043 | ng/u1  | 99       |

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### Manual Integrations APPROVED

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| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 37) 1-Methylnaphthalene       | 12.873 | 142  | 133680   | 30.540 | ng/ul  | 97       |
| 39) 1,2,4,5-Tetrachloroben... | 13.020 | 216  | 75808    | 31.532 | ng/ul  | 100      |
| 40) Hexachlorocyclopentadiene | 12.979 | 237  | 36229    | 28.458 | ng/ul  | 98       |
| 41) 2,4,6-Trichlorophenol     | 13.273 | 196  | 49988    | 32.187 | ng/ul  | 93       |
| 42) 2,4,5-Trichlorophenol     | 13.361 | 196  | 54623    | 32.853 | ng/ul  | 96       |
| 43) 1,1'-Biphenyl             | 13.649 | 154  | 181159   | 31.384 | ng/ul  | 98       |
| 44) 2-Chloronaphthalene       | 13.702 | 162  | 143437   | 31.671 | ng/ul  | 99       |
| 45) 2-Nitroaniline            | 13.925 | 65   | 54567    | 31.876 | ng/ul  | 94       |
| 47) Dimethylphthalate         | 14.260 | 163  | 189307   | 31.440 | ng/ul  | 100      |
| 48) 2,6-Dinitrotoluene        | 14.401 | 165  | 40867    | 32.074 | ng/ul  | 97       |
| 50) Acenaphthylene            | 14.548 | 152  | 229848   | 30.784 | ng/ul  | 99       |
| 51) 3-Nitroaniline            | 14.748 | 138  | 38779    | 31.605 | ng/ul  | 95       |
| 52) Acenaphthene              | 14.883 | 153  | 155095   | 31.659 | ng/ul  | 96       |
| 53) 2,4-Dinitrophenol         | 14.977 | 184  | 18412m   | 27.942 | ng/ul  |          |
| 55) 4-Nitrophenol             | 15.082 | 109  | 30425m   | 34.001 | ng/ul  |          |
| 56) Dibenzofuran              | 15.218 | 168  | 218510   | 31.460 | ng/ul  | 99       |
| 57) 2,4-Dinitrotoluene        | 15.200 | 165  | 58579    | 32.164 | ng/ul  | 95       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.453 | 232  | 43101    | 34.213 | ng/ul# | 98       |
| 59) Diethylphthalate          | 15.611 | 149  | 202557   | 31.170 | ng/ul  | 99       |
| 61) Fluorene                  | 15.864 | 166  | 176239   | 31.332 | ng/ul  | 98       |
| 62) 4-Chlorophenyl-phenyle... | 15.846 | 204  | 92864    | 31.447 | ng/ul  | 96       |
| 63) 4-Nitroaniline            | 15.917 | 138  | 38053    | 34.937 | ng/ul  | 99       |
| 66) 4,6-Dinitro-2-methylph... | 15.964 | 198  | 32977    | 32.619 | ng/ul  | 94       |
| 67) N-Nitrosodiphenylamine    | 16.064 | 169  | 157969   | 32.384 | ng/ul  | 98       |
| 68) 4-Bromophenyl-phenylether | 16.739 | 248  | 58054    | 32.857 | ng/ul  | 95       |
| 69) Hexachlorobenzene         | 16.869 | 284  | 59359    | 32.960 | ng/ul  | 98       |
| 70) Atrazine                  | 17.010 | 200  | 65675    | 31.203 | ng/ul  | 98       |
| 71) Pentachlorophenol         | 17.233 | 266  | 23695m   | 30.391 | ng/ul  |          |
| 72) Phenanthrene              | 17.615 | 178  | 307599   | 32.626 | ng/ul  | 99       |
| 74) Anthracene                | 17.703 | 178  | 308174   | 32.653 | ng/ul  | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 13.625 | 216  | 79204    | 32.369 | ng/uL  | 94       |
| 76) Pentachlorobenzene        | 15.135 | 250  | 69498    | 31.371 | ng/uL  | 97       |
| 77) Carbazole                 | 17.979 | 167  | 282176   | 33.588 | ng/ul  | 99       |
| 78) Di-n-butylphthalate       | 18.496 | 149  | 363622   | 32.283 | ng/ul  | 99       |
| 80) Fluoranthene              | 19.612 | 202  | 387235   | 32.926 | ng/ul  | 98       |
| 82) Pyrene                    | 19.977 | 202  | 377938   | 32.746 | ng/ul  | 98       |
| 83) Butylbenzylphthalate      | 20.834 | 149  | 161610   | 32.106 | ng/ul  | 96       |
| 84) 3,3'-Dichlorobenzidine    | 21.757 | 252  | 96859    | 28.862 | ng/ul  | 98       |
| 85) Benzo(a)anthracene        | 21.851 | 228  | 348601   | 33.207 | ng/ul  | 99       |
| 86) Bis(2-ethylhexyl)phtha... | 21.698 | 149  | 228149   | 32.631 | ng/ul  | 99       |
| 87) Chrysene                  | 21.916 | 228  | 330143   | 32.983 | ng/ul  | 99       |
| 89) Di-n-octyl phthalate      | 22.956 | 149  | 389544   | 33.106 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 24.178 | 252  | 340894   | 32.436 | ng/ul  | 99       |
| 91) Benzo(k)fluoranthene      | 24.248 | 252  | 324528   | 33.155 | ng/ul  | 98       |
| 93) Benzo(a)pyrene            | 25.106 | 252  | 328690   | 32.836 | ng/ul  | 99       |
| 94) Indeno(1,2,3-cd)pyrene    | 29.201 | 276  | 338621   | 30.481 | ng/ul  | 99       |
| 95) Dibenzo(a,h)anthracene    | 29.236 | 278  | 288401   | 30.796 | ng/ul  | 98       |
| 96) Benzo(g,h,i)perylene      | 30.423 | 276  | 285589   | 30.740 | ng/ul  | 98       |

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

