

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG120221\  
 Data File : BG051328.D  
 Acq On : 3 Dec 2021 13:57  
 Operator : CG/JU  
 Sample : PB141072BS  
 Misc :  
 ALS Vial : 33 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SLCS072

Quant Time: Dec 03 14:58:02 2021  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG112321.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Nov 24 06:04:50 2021  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 12/03/2021  
 Supervised By :mohammad ahmed 12/05/2021

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.189  | 152  | 26734    | 20.000 | ng/ul  | -0.01    |
| 20) Naphthalene-d8            | 11.015 | 136  | 119554   | 20.000 | ng/ul  | -0.01    |
| 38) Acenaphthene-d10          | 14.823 | 164  | 77079    | 20.000 | ng/ul  | 0.00     |
| 64) Phenanthrene-d10          | 17.572 | 188  | 174137   | 20.000 | ng/ul  | 0.00     |
| 79) Chrysene-d12              | 21.873 | 240  | 155499   | 20.000 | ng/ul  | 0.00     |
| 88) Perylene-d12              | 25.269 | 264  | 158142   | 20.000 | ng/ul  | -0.01    |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.536  | 96   | 4804     | 6.245  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.959  | 84   | 66036    | 29.253 | ng/ul  | -0.02    |
| 7) Phenol-d5                  | 7.355  | 99   | 88758    | 33.592 | ng/ul  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.508  | 67   | 55451    | 33.416 | ng/ul  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.725  | 132  | 62868    | 33.042 | ng/ul  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.906  | 113  | 69273    | 32.489 | ng/ul  | 0.00     |
| 21) Nitrobenzene-d5           | 9.370  | 128  | 33717    | 33.409 | ng/ul  | 0.00     |
| 24) 2-Nitrophenol-d4          | 10.093 | 143  | 38384    | 33.717 | ng/ul  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.645 | 165  | 65291    | 33.802 | ng/ul  | 0.00     |
| 31) 4-Chloroaniline-d4        | 11.156 | 131  | 137720   | 48.729 | ng/ul  | 0.00     |
| 46) Dimethylphthalate-d6      | 14.218 | 166  | 199304   | 33.605 | ng/ul  | 0.00     |
| 49) Acenaphthylene-d8         | 14.523 | 160  | 257245   | 34.397 | ng/ul  | 0.00     |
| 54) 4-Nitrophenol-d4          | 15.046 | 143  | 29596    | 30.829 | ng/ul  | 0.00     |
| 60) Fluorene-d10              | 15.816 | 176  | 181554   | 33.994 | ng/ul  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.951 | 200  | 32371    | 30.125 | ng/ul  | 0.00     |
| 73) Anthracene-d10            | 17.672 | 188  | 277075   | 33.269 | ng/ul  | 0.00     |
| 81) Pyrene-d10                | 19.952 | 212  | 321567   | 34.177 | ng/ul  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 25.034 | 264  | 286871   | 33.966 | ng/ul  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.571  | 88   | 10133    | 11.679 | ng/uL  | 98       |
| 5) Pyridine                   | 3.982  | 79   | 70028    | 29.812 | ng/ul  | 98       |
| 6) Benzaldehyde               | 7.326  | 77   | 56018    | 33.291 | ng/ul  | 93       |
| 8) Phenol                     | 7.378  | 94   | 93227    | 34.059 | ng/ul  | 99       |
| 10) Bis(2-Chloroethyl)ether   | 7.602  | 93   | 69833    | 33.723 | ng/ul  | 96       |
| 12) 2-Chlorophenol            | 7.755  | 128  | 64817    | 33.430 | ng/ul  | 99       |
| 13) 2-Methylphenol            | 8.642  | 108  | 68810    | 33.750 | ng/ul  | 99       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.712  | 45   | 101924   | 34.108 | ng/ul  | 98       |
| 16) Acetophenone              | 9.024  | 105  | 108891   | 33.017 | ng/ul  | 98       |
| 17) N-Nitroso-di-n-propyla... | 8.994  | 70   | 64107    | 33.826 | ng/ul  | 97       |
| 18) 4-Methylphenol            | 8.971  | 108  | 74165    | 34.018 | ng/ul  | 97       |
| 19) Hexachloroethane          | 9.276  | 117  | 27288    | 33.321 | ng/ul  | 94       |
| 22) Nitrobenzene              | 9.411  | 77   | 93332    | 35.269 | ng/ul  | 98       |
| 23) Isophorone                | 9.928  | 82   | 174905   | 34.020 | ng/ul  | 99       |
| 25) 2-Nitrophenol             | 10.128 | 139  | 39153    | 33.204 | ng/ul  | 96       |
| 26) 2,4-Dimethylphenol        | 10.181 | 107  | 81886    | 33.965 | ng/ul  | 94       |
| 27) Bis(2-Chloroethoxy)met... | 10.404 | 93   | 97521    | 34.360 | ng/ul  | 98       |
| 29) 2,4-Dichlorophenol        | 10.669 | 162  | 63743    | 33.525 | ng/ul  | 94       |
| 30) Naphthalene               | 11.068 | 128  | 216040   | 33.210 | ng/ul  | 98       |
| 32) 4-Chloroaniline           | 11.180 | 127  | 83939    | 29.584 | ng/ul  | 99       |
| 33) Hexachlorobutadiene       | 11.333 | 225  | 42026    | 32.045 | ng/ul  | 97       |
| 34) Caprolactam               | 11.944 | 113  | 24380m   | 32.616 | ng/ul  |          |
| 35) 4-Chloro-3-methylphenol   | 12.302 | 107  | 78692    | 34.453 | ng/ul  | 97       |
| 36) 2-Methylnaphthalene       | 12.661 | 142  | 145304   | 32.839 | ng/ul  | 100      |

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| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 37) 1-Methylnaphthalene       | 12.878 | 142  | 149188   | 32.772 | ng/ul  | 99       |
| 39) 1,2,4,5-Tetrachloroben... | 13.025 | 216  | 84206    | 34.798 | ng/ul  | 99       |
| 40) Hexachlorocyclopentadiene | 12.990 | 237  | 10934    | 11.179 | ng/ul  | 99       |
| 41) 2,4,6-Trichlorophenol     | 13.266 | 196  | 52726    | 34.722 | ng/ul  | 99       |
| 42) 2,4,5-Trichlorophenol     | 13.354 | 196  | 53718    | 33.781 | ng/ul  | 99       |
| 43) 1,1'-Biphenyl             | 13.659 | 154  | 200114   | 34.760 | ng/ul  | 99       |
| 44) 2-Chloronaphthalene       | 13.706 | 162  | 158772   | 34.670 | ng/ul  | 100      |
| 45) 2-Nitroaniline            | 13.918 | 65   | 58725    | 37.052 | ng/ul  | 93       |
| 47) Dimethylphthalate         | 14.265 | 163  | 205126   | 34.170 | ng/ul  | 99       |
| 48) 2,6-Dinitrotoluene        | 14.406 | 165  | 44492    | 35.283 | ng/ul  | 94       |
| 50) Acenaphthylene            | 14.552 | 152  | 252919   | 34.230 | ng/ul  | 99       |
| 51) 3-Nitroaniline            | 14.740 | 138  | 44673    | 35.840 | ng/ul  | 97       |
| 52) Acenaphthene              | 14.887 | 153  | 169587   | 34.802 | ng/ul  | 95       |
| 53) 2,4-Dinitrophenol         | 14.964 | 184  | 13432m   | 19.271 | ng/ul  |          |
| 55) 4-Nitrophenol             | 15.058 | 109  | 26391    | 31.690 | ng/ul  | 95       |
| 56) Dibenzofuran              | 15.222 | 168  | 238877   | 33.987 | ng/ul  | 98       |
| 57) 2,4-Dinitrotoluene        | 15.193 | 165  | 62786    | 34.861 | ng/ul  | 93       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.451 | 232  | 41635    | 33.342 | ng/ul  | 97       |
| 59) Diethylphthalate          | 15.616 | 149  | 215298   | 34.167 | ng/ul  | 100      |
| 61) Fluorene                  | 15.869 | 166  | 192449   | 34.183 | ng/ul  | 98       |
| 62) 4-Chlorophenyl-phenyle... | 15.851 | 204  | 102255   | 33.703 | ng/ul  | 98       |
| 63) 4-Nitroaniline            | 15.904 | 138  | 46039    | 37.956 | ng/ul  | 96       |
| 66) 4,6-Dinitro-2-methylph... | 15.963 | 198  | 30731    | 29.654 | ng/ul# | 98       |
| 67) N-Nitrosodiphenylamine    | 16.068 | 169  | 170947   | 34.291 | ng/ul  | 98       |
| 68) 4-Bromophenyl-phenylether | 16.750 | 248  | 63765    | 34.166 | ng/ul  | 92       |
| 69) Hexachlorobenzene         | 16.873 | 284  | 65403    | 34.367 | ng/ul  | 97       |
| 70) Atrazine                  | 17.008 | 200  | 56810    | 27.115 | ng/ul  | 97       |
| 71) Pentachlorophenol         | 17.232 | 266  | 15620    | 18.523 | ng/ul  | 93       |
| 72) Phenanthrene              | 17.619 | 178  | 328470   | 34.163 | ng/ul  | 99       |
| 74) Anthracene                | 17.708 | 178  | 319438   | 33.453 | ng/ul  | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 13.630 | 216  | 87240    | 34.347 | ng/ul  | 99       |
| 76) Pentachlorobenzene        | 15.146 | 250  | 77512    | 32.752 | ng/ul  | 98       |
| 77) Carbazole                 | 17.984 | 167  | 295617   | 35.269 | ng/ul  | 98       |
| 78) Di-n-butylphthalate       | 18.507 | 149  | 373747   | 34.582 | ng/ul  | 99       |
| 80) Fluoranthene              | 19.617 | 202  | 400355   | 34.644 | ng/ul  | 98       |
| 82) Pyrene                    | 19.981 | 202  | 392314   | 34.705 | ng/ul  | 96       |
| 83) Butylbenzylphthalate      | 20.839 | 149  | 165633   | 35.244 | ng/ul  | 98       |
| 84) 3,3'-Dichlorobenzidine    | 21.762 | 252  | 122208   | 33.755 | ng/ul  | 97       |
| 85) Benzo(a)anthracene        | 21.856 | 228  | 360779   | 34.207 | ng/ul  | 99       |
| 86) Bis(2-ethylhexyl)phtha... | 21.715 | 149  | 236801   | 35.016 | ng/ul  | 99       |
| 87) Chrysene                  | 21.926 | 228  | 345752   | 34.125 | ng/ul  | 99       |
| 89) Di-n-octyl phthalate      | 22.972 | 149  | 407072   | 35.531 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 24.182 | 252  | 360115   | 33.742 | ng/ul  | 99       |
| 91) Benzo(k)fluoranthene      | 24.259 | 252  | 348432   | 34.791 | ng/ul  | 99       |
| 93) Benzo(a)pyrene            | 25.117 | 252  | 344234   | 33.809 | ng/ul  | 98       |
| 94) Indeno(1,2,3-cd)pyrene    | 29.188 | 276  | 393819   | 34.565 | ng/ul  | 96       |
| 95) Dibenzo(a,h)anthracene    | 29.241 | 278  | 331408   | 34.286 | ng/ul  | 98       |
| 96) Benzo(g,h,i)perylene      | 30.422 | 276  | 329784   | 34.402 | ng/ul  | 96       |

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

