

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG100421\  
 Data File : BG050434.D  
 Acq On : 5 Oct 2021 5:20  
 Operator : CG/JU  
 Sample : M3879-12MSD  
 Misc :  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 EW411MSD

Manual Integrations  
 APPROVED

mohammad  
 10/5/2021 12:07:09 PM

Quant Time: Oct 05 06:05:02 2021  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG093021.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Sep 30 16:27:24 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| -----                         |        |      |          |       |        |          |
| Internal Standards            |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.271  | 152  | 58883    | 20.00 | ng/ul  | 0.00     |
| 20) Naphthalene-d8            | 11.091 | 136  | 244823   | 20.00 | ng/ul  | -0.01    |
| 38) Acenaphthene-d10          | 14.887 | 164  | 161706   | 20.00 | ng/ul  | 0.00     |
| 64) Phenanthrene-d10          | 17.631 | 188  | 337615   | 20.00 | ng/ul  | 0.00     |
| 79) Chrysene-d12              | 21.932 | 240  | 298196   | 20.00 | ng/ul  | -0.02    |
| 88) Perylene-d12              | 25.351 | 264  | 297724   | 20.00 | ng/ul  | -0.03    |
| System Monitoring Compounds   |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8             | 3.635  | 96   | 1866     | 1.16  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 4.064  | 84   | 10266    | 2.15  | ng/ul  | 0.00     |
| 7) Phenol-d5                  | 7.402  | 99   | 33484    | 6.51  | ng/ul  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.578  | 67   | 22087    | 6.82  | ng/ul  | -0.01    |
| 11) 2-Chlorophenol-d4         | 7.789  | 132  | 23307    | 6.47  | ng/ul  | -0.01    |
| 15) 4-Methylphenol-d8         | 8.953  | 113  | 21352    | 5.48  | ng/ul  | -0.01    |
| 21) Nitrobenzene-d5           | 9.434  | 128  | 12844    | 7.50  | ng/ul  | -0.01    |
| 24) 2-Nitrophenol-d4          | 10.163 | 143  | 13641    | 7.42  | ng/ul  | -0.01    |
| 28) 2,4-Dichlorophenol-d3     | 10.698 | 165  | 23381    | 6.44  | ng/ul  | -0.01    |
| 31) 4-Chloroaniline-d4        | 11.221 | 131  | 29172    | 5.63  | ng/ul  | 0.00     |
| 46) Dimethylphthalate-d6      | 14.276 | 166  | 75933    | 6.86  | ng/ul  | -0.02    |
| 49) Acenaphthylene-d8         | 14.581 | 160  | 95542    | 6.87  | ng/ul  | -0.01    |
| 54) 4-Nitrophenol-d4          | 15.046 | 143  | 9479     | 4.45  | ng/ul  | -0.01    |
| 60) Fluorene-d10              | 15.874 | 176  | 68464    | 6.87  | ng/ul  | -0.01    |
| 65) 4,6-Dinitro-2-methylph... | 15.974 | 200  | 9147     | 5.43  | ng/ul  | -0.01    |
| 73) Anthracene-d10            | 17.725 | 188  | 104021   | 7.29  | ng/ul  | -0.01    |
| 81) Pyrene-d10                | 19.999 | 212  | 121473   | 7.66  | ng/ul  | -0.01    |
| 92) Benzo(a)pyrene-d12        | 25.110 | 264  | 103137   | 6.89  | ng/ul  | -0.03    |
| Target Compounds              |        |      |          |       |        |          |
|                               |        |      |          |       | Qvalue |          |
| 2) 1,4-Dioxane                | 3.671  | 88   | 5706m    | 2.94  | ng/uL  |          |
| 5) Pyridine                   | 4.088  | 79   | 21233m   | 4.39  | ng/ul  |          |
| 6) Benzaldehyde               | 7.402  | 77   | 29697    | 8.75  | ng/ul  | 98       |
| 8) Phenol                     | 7.425  | 94   | 41095    | 7.79  | ng/ul  | 97       |
| 10) Bis(2-Chloroethyl)ether   | 7.678  | 93   | 31298    | 7.91  | ng/ul  | 98       |
| 12) 2-Chlorophenol            | 7.825  | 128  | 28798    | 7.81  | ng/ul  | 95       |
| 13) 2-Methylphenol            | 8.694  | 108  | 27370    | 7.04  | ng/ul  | 93       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.788  | 45   | 51073    | 8.61  | ng/ul  | 96       |
| 16) Acetophenone              | 9.094  | 105  | 50958    | 8.24  | ng/ul  | 100      |
| 17) N-Nitroso-di-n-propyla... | 9.064  | 70   | 28523    | 7.67  | ng/ul  | 97       |
| 18) 4-Methylphenol            | 9.017  | 108  | 29838    | 7.25  | ng/ul  | 97       |
| 19) Hexachloroethane          | 9.364  | 117  | 12924    | 8.15  | ng/ul  | 96       |
| 22) Nitrobenzene              | 9.482  | 77   | 42082    | 8.20  | ng/ul  | 99       |
| 23) Isophorone                | 9.999  | 82   | 73869    | 7.49  | ng/ul  | 98       |
| 25) 2-Nitrophenol             | 10.198 | 139  | 14882    | 7.88  | ng/ul  | 94       |
| 26) 2,4-Dimethylphenol        | 10.239 | 107  | 17814    | 3.80  | ng/ul  | 97       |
| 27) Bis(2-Chloroethoxy)met... | 10.480 | 93   | 42727    | 8.02  | ng/ul  | 97       |
| 29) 2,4-Dichlorophenol        | 10.721 | 162  | 27074    | 7.53  | ng/ul  | 98       |
| 30) Naphthalene               | 11.144 | 128  | 97877    | 7.79  | ng/ul  | 97       |
| 32) 4-Chloroaniline           | 11.244 | 127  | 35439    | 6.79  | ng/ul  | 95       |
| 33) Hexachlorobutadiene       | 11.420 | 225  | 18818    | 7.21  | ng/ul  | 94       |
| 34) Caprolactam               | 11.996 | 113  | 7539     | 5.43  | ng/ul  | 96       |
| 35) 4-Chloro-3-methylphenol   | 12.331 | 107  | 30218    | 7.13  | ng/ul  | 96       |
| 36) 2-Methylnaphthalene       | 12.731 | 142  | 67114    | 7.85  | ng/ul  | 98       |

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| 37) 1-Methylnaphthalene       | 12.948 | 142  | 64386    | 7.48 | ng/ul  | 97       |
| 39) 1,2,4,5-Tetrachloroben... | 13.089 | 216  | 36230    | 7.76 | ng/ul  | 97       |
| 40) Hexachlorocyclopentadiene | 13.066 | 237  | 10868    | 3.51 | ng/ul  | 94       |
| 41) 2,4,6-Trichlorophenol     | 13.318 | 196  | 22798    | 7.75 | ng/ul  | 95       |
| 42) 2,4,5-Trichlorophenol     | 13.389 | 196  | 25272    | 7.85 | ng/ul  | 97       |
| 43) 1,1'-Biphenyl             | 13.724 | 154  | 86605    | 7.96 | ng/ul  | 100      |
| 44) 2-Chloronaphthalene       | 13.771 | 162  | 67087    | 7.87 | ng/ul  | 98       |
| 45) 2-Nitroaniline            | 13.964 | 65   | 24155    | 8.65 | ng/ul  | 95       |
| 47) Dimethylphthalate         | 14.323 | 163  | 86034    | 7.73 | ng/ul  | 97       |
| 48) 2,6-Dinitrotoluene        | 14.452 | 165  | 16770    | 8.01 | ng/ul  | 89       |
| 50) Acenaphthylene            | 14.611 | 152  | 102488   | 7.27 | ng/ul  | 98       |
| 51) 3-Nitroaniline            | 14.781 | 138  | 17708    | 7.77 | ng/ul  | 98       |
| 52) Acenaphthene              | 14.952 | 153  | 72551    | 7.79 | ng/ul  | 92       |
| 53) 2,4-Dinitrophenol         | 14.987 | 184  | 6405     | 4.91 | ng/ul# | 74       |
| 55) 4-Nitrophenol             | 15.063 | 109  | 14284    | 6.78 | ng/ul  | 94       |
| 56) Dibenzofuran              | 15.281 | 168  | 104488   | 7.71 | ng/ul  | 93       |
| 57) 2,4-Dinitrotoluene        | 15.234 | 165  | 24008    | 7.89 | ng/ul# | 95       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.498 | 232  | 20173    | 7.29 | ng/ul# | 91       |
| 59) Diethylphthalate          | 15.680 | 149  | 91024    | 7.83 | ng/ul  | 97       |
| 61) Fluorene                  | 15.927 | 166  | 82936    | 7.69 | ng/ul  | 98       |
| 62) 4-Chlorophenyl-phenyle... | 15.915 | 204  | 43086    | 7.38 | ng/ul  | 96       |
| 63) 4-Nitroaniline            | 15.933 | 138  | 19059    | 8.28 | ng/ul  | 93       |
| 66) 4,6-Dinitro-2-methylph... | 15.992 | 198  | 10628    | 6.38 | ng/ul  | 99       |
| 67) N-Nitrosodiphenylamine    | 16.127 | 169  | 72304    | 8.47 | ng/ul  | 99       |
| 68) 4-Bromophenyl-phenylether | 16.808 | 248  | 25545    | 8.13 | ng/ul  | 93       |
| 69) Hexachlorobenzene         | 16.926 | 284  | 26349    | 7.96 | ng/ul  | 96       |
| 70) Atrazine                  | 17.061 | 200  | 29460    | 8.11 | ng/ul  | 99       |
| 71) Pentachlorophenol         | 17.272 | 266  | 12318    | 5.68 | ng/ul  | 96       |
| 72) Phenanthrene              | 17.672 | 178  | 139397   | 8.27 | ng/ul  | 99       |
| 74) Anthracene                | 17.760 | 178  | 137151   | 8.22 | ng/ul  | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 13.688 | 216  | 38239    | 8.59 | ng/uL  | 97       |
| 76) Pentachlorobenzene        | 15.198 | 250  | 32002    | 7.87 | ng/uL  | 98       |
| 77) Carbazole                 | 18.024 | 167  | 128504   | 8.60 | ng/ul  | 99       |
| 78) Di-n-butylphthalate       | 18.565 | 149  | 157934   | 8.92 | ng/ul  | 99       |
| 80) Fluoranthene              | 19.664 | 202  | 172047   | 8.64 | ng/ul  | 97       |
| 82) Pyrene                    | 20.028 | 202  | 172903   | 8.81 | ng/ul  | 100      |
| 83) Butylbenzylphthalate      | 20.898 | 149  | 68679    | 9.49 | ng/ul  | 98       |
| 84) 3,3'-Dichlorobenzidine    | 21.814 | 252  | 49877    | 8.12 | ng/ul  | 96       |
| 85) Benzo(a)anthracene        | 21.908 | 228  | 154855   | 8.61 | ng/ul  | 100      |
| 86) Bis(2-ethylhexyl)phtha... | 21.791 | 149  | 103437   | 9.95 | ng/ul  | 99       |
| 87) Chrysene                  | 21.979 | 228  | 148417   | 8.61 | ng/ul  | 97       |
| 89) Di-n-octyl phthalate      | 23.071 | 149  | 170579   | 9.97 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 24.252 | 252  | 153541   | 8.47 | ng/ul  | 98       |
| 91) Benzo(k)fluoranthene      | 24.329 | 252  | 150102   | 8.90 | ng/ul  | 97       |
| 93) Benzo(a)pyrene            | 25.187 | 252  | 137447   | 7.94 | ng/ul  | 98       |
| 94) Indeno(1,2,3-cd)pyrene    | 29.270 | 276  | 163657   | 8.42 | ng/ul  | 98       |
| 95) Dibenzo(a,h)anthracene    | 29.346 | 278  | 136117   | 8.23 | ng/ul  | 99       |
| 96) Benzo(g,h,i)perylene      | 30.510 | 276  | 121587   | 7.42 | ng/ul  | 96       |

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

