

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG072621\  
 Data File : BG049475.D  
 Acq On : 26 Jul 2021 12:20  
 Operator : CG/JU  
 Sample : M2995-03MSD  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 JLX86MSD

Manual Integrations  
 APPROVED

mohammad  
 7/27/2021 12:06:23 PM

Quant Time: Jul 26 12:56:46 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SFAM-EPA-BG072421.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Jul 26 11:36:47 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.050  | 152  | 24930    | 20.000 | ng/ul  | 0.00     |
| 20) Naphthalene-d8            | 10.869 | 136  | 103114   | 20.000 | ng/ul  | # 0.00   |
| 38) Acenaphthene-d10          | 14.693 | 164  | 67998    | 20.000 | ng/ul  | 0.00     |
| 64) Phenanthrene-d10          | 17.443 | 188  | 147886   | 20.000 | ng/ul  | 0.00     |
| 79) Chrysene-d12              | 21.725 | 240  | 154338   | 20.000 | ng/ul  | 0.00     |
| 88) Perylene-d12              | 24.997 | 264  | 162244   | 20.000 | ng/ul  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.444  | 96   | 736      | 1.351  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.867  | 84   | 8342     | 5.330  | ng/ul  | 0.01     |
| 7) Phenol-d5                  | 7.204  | 99   | 23075    | 10.462 | ng/ul  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.368  | 67   | 13818    | 11.061 | ng/ul  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.574  | 132  | 17190    | 10.872 | ng/ul  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.754  | 113  | 19380    | 11.657 | ng/ul  | 0.00     |
| 21) Nitrobenzene-d5           | 9.213  | 128  | 10188    | 12.851 | ng/ul  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.935  | 143  | 10916    | 11.750 | ng/ul  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.487 | 165  | 20849    | 12.340 | ng/ul  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.998 | 131  | 27422    | 11.645 | ng/ul  | 0.00     |
| 46) Dimethylphthalate-d6      | 14.094 | 166  | 80509    | 15.457 | ng/ul  | 0.00     |
| 49) Acenaphthylene-d8         | 14.388 | 160  | 86482    | 14.295 | ng/ul  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.887 | 143  | 12018    | 14.011 | ng/ul  | 0.00     |
| 60) Fluorene-d10              | 15.686 | 176  | 65014    | 14.488 | ng/ul  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.804 | 200  | 13220    | 14.426 | ng/ul  | 0.00     |
| 73) Anthracene-d10            | 17.543 | 188  | 111492   | 16.221 | ng/ul  | 0.00     |
| 81) Pyrene-d10                | 19.828 | 212  | 143851   | 18.228 | ng/ul  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.774 | 264  | 146767   | 17.211 | ng/ul  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.467  | 88   | 5021     | 6.741  | ng/uL# | 85       |
| 5) Pyridine                   | 3.885  | 79   | 19853    | 11.858 | ng/ul  | 85       |
| 6) Benzaldehyde               | 7.180  | 77   | 28340    | 21.532 | ng/ul  | 98       |
| 8) Phenol                     | 7.227  | 94   | 44197    | 20.512 | ng/ul  | 98       |
| 10) Bis(2-Chloroethyl)ether   | 7.456  | 93   | 31573    | 21.270 | ng/ul  | 97       |
| 12) 2-Chlorophenol            | 7.609  | 128  | 32257    | 21.192 | ng/ul  | 96       |
| 13) 2-Methylphenol            | 8.490  | 108  | 32686    | 19.904 | ng/ul  | 98       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.578  | 45   | 33564    | 19.295 | ng/ul# | 90       |
| 16) Acetophenone              | 8.872  | 105  | 55998    | 20.927 | ng/ul# | 92       |
| 17) N-Nitroso-di-n-propyla... | 8.854  | 70   | 28579    | 20.712 | ng/ul# | 89       |
| 18) 4-Methylphenol            | 8.819  | 108  | 33756    | 19.539 | ng/ul  | 89       |
| 19) Hexachloroethane          | 9.136  | 117  | 15025    | 21.911 | ng/ul  | 87       |
| 22) Nitrobenzene              | 9.260  | 77   | 48799    | 20.616 | ng/ul  | 98       |
| 23) Isophorone                | 9.777  | 82   | 82252    | 20.737 | ng/ul# | 94       |
| 25) 2-Nitrophenol             | 9.970  | 139  | 18022    | 20.614 | ng/ul# | 88       |
| 26) 2,4-Dimethylphenol        | 10.029 | 107  | 34040    | 16.337 | ng/ul  | 98       |
| 27) Bis(2-Chloroethoxy)met... | 10.264 | 93   | 40169    | 20.305 | ng/ul  | 97       |
| 29) 2,4-Dichlorophenol        | 10.511 | 162  | 33681    | 20.392 | ng/ul  | 94       |
| 30) Naphthalene               | 10.916 | 128  | 106761   | 20.100 | ng/ul  | 95       |
| 32) 4-Chloroaniline           | 11.022 | 127  | 42414    | 18.935 | ng/ul  | 92       |
| 33) Hexachlorobutadiene       | 11.204 | 225  | 25674    | 20.331 | ng/ul  | 95       |
| 34) Caprolactam               | 11.792 | 113  | 8280m    | 14.740 | ng/ul  |          |
| 35) 4-Chloro-3-methylphenol   | 12.144 | 107  | 39214    | 21.101 | ng/ul  | 90       |
| 36) 2-Methylnaphthalene       | 12.526 | 142  | 81136    | 20.871 | ng/ul  | 100      |

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|-------------------------------|--------|------|----------|--------|--------|----------|
| 37) 1-Methylnaphthalene       | 12.743 | 142  | 77259    | 19.668 | ng/ul  | 99       |
| 39) 1,2,4,5-Tetrachloroben... | 12.890 | 216  | 44825    | 22.180 | ng/ul  | 92       |
| 40) Hexachlorocyclopentadiene | 12.872 | 237  | 18079    | 14.846 | ng/ul# | 95       |
| 41) 2,4,6-Trichlorophenol     | 13.131 | 196  | 26756    | 21.543 | ng/ul  | 86       |
| 42) 2,4,5-Trichlorophenol     | 13.201 | 196  | 29130    | 21.963 | ng/ul  | 99       |
| 43) 1,1'-Biphenyl             | 13.524 | 154  | 104939   | 21.672 | ng/ul  | 94       |
| 44) 2-Chloronaphthalene       | 13.571 | 162  | 81136    | 21.533 | ng/ul  | 96       |
| 45) 2-Nitroaniline            | 13.771 | 65   | 29336    | 21.939 | ng/ul  | 98       |
| 47) Dimethylphthalate         | 14.141 | 163  | 108627   | 21.445 | ng/ul  | 98       |
| 48) 2,6-Dinitrotoluene        | 14.265 | 165  | 22140    | 21.901 | ng/ul  | 95       |
| 50) Acenaphthylene            | 14.417 | 152  | 120732   | 20.897 | ng/ul# | 95       |
| 51) 3-Nitroaniline            | 14.599 | 138  | 19951    | 19.788 | ng/ul  | 90       |
| 52) Acenaphthene              | 14.758 | 153  | 87820    | 21.194 | ng/ul  | 93       |
| 53) 2,4-Dinitrophenol         | 14.805 | 184  | 9601     | 19.063 | ng/ul# | 61       |
| 55) 4-Nitrophenol             | 14.905 | 109  | 22753    | 19.562 | ng/ul  | 96       |
| 56) Dibenzofuran              | 15.093 | 168  | 120755   | 21.582 | ng/ul  | 96       |
| 57) 2,4-Dinitrotoluene        | 15.052 | 165  | 31997    | 22.330 | ng/ul# | 98       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.316 | 232  | 25790    | 21.427 | ng/ul  | 96       |
| 59) Diethylphthalate          | 15.504 | 149  | 108645   | 20.724 | ng/ul  | 96       |
| 61) Fluorene                  | 15.745 | 166  | 101825   | 21.437 | ng/ul  | 99       |
| 62) 4-Chlorophenyl-phenyle... | 15.733 | 204  | 54289    | 21.956 | ng/ul  | 94       |
| 63) 4-Nitroaniline            | 15.757 | 138  | 21877    | 21.881 | ng/ul# | 93       |
| 66) 4,6-Dinitro-2-methylph... | 15.821 | 198  | 18077    | 21.429 | ng/ul# | 87       |
| 67) N-Nitrosodiphenylamine    | 15.945 | 169  | 85731    | 22.120 | ng/ul  | 97       |
| 68) 4-Bromophenyl-phenylether | 16.632 | 248  | 35486    | 21.550 | ng/ul  | 95       |
| 69) Hexachlorobenzene         | 16.750 | 284  | 39693    | 21.305 | ng/ul  | 92       |
| 70) Atrazine                  | 16.890 | 200  | 40585    | 22.928 | ng/ul  | 96       |
| 71) Pentachlorophenol         | 17.096 | 266  | 18686    | 21.661 | ng/ul  | 95       |
| 72) Phenanthrene              | 17.490 | 178  | 166459   | 21.621 | ng/ul  | 97       |
| 74) Anthracene                | 17.578 | 178  | 165416   | 21.203 | ng/ul  | 97       |
| 75) 1,2,3,4-Tetrachloroben... | 13.495 | 216  | 44768    | 22.278 | ng/ul  | 96       |
| 76) Pentachlorobenzene        | 15.017 | 250  | 48557    | 22.838 | ng/ul  | 97       |
| 77) Carbazole                 | 17.848 | 167  | 151392   | 21.705 | ng/ul  | 98       |
| 78) Di-n-butylphthalate       | 18.400 | 149  | 191945   | 22.130 | ng/ul# | 97       |
| 80) Fluoranthene              | 19.499 | 202  | 222053   | 23.173 | ng/ul  | 100      |
| 82) Pyrene                    | 19.857 | 202  | 224029   | 23.547 | ng/ul  | 99       |
| 83) Butylbenzylphthalate      | 20.738 | 149  | 85988    | 23.215 | ng/ul  | 96       |
| 84) 3,3'-Dichlorobenzidine    | 21.619 | 252  | 74724    | 21.071 | ng/ul  | 100      |
| 85) Benzo(a)anthracene        | 21.708 | 228  | 216788   | 22.974 | ng/ul  | 99       |
| 86) Bis(2-ethylhexyl)phtha... | 21.602 | 149  | 126961   | 23.096 | ng/ul  | 97       |
| 87) Chrysene                  | 21.772 | 228  | 208316   | 23.065 | ng/ul  | 97       |
| 89) Di-n-octyl phthalate      | 22.835 | 149  | 214706   | 22.513 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 23.957 | 252  | 231237   | 22.739 | ng/ul  | 99       |
| 91) Benzo(k)fluoranthene      | 24.022 | 252  | 231560   | 23.267 | ng/ul  | 99       |
| 93) Benzo(a)pyrene            | 24.850 | 252  | 202275   | 22.928 | ng/ul  | 98       |
| 94) Indeno(1,2,3-cd)pyrene    | 28.745 | 276  | 265992   | 23.630 | ng/ul# | 98       |
| 95) Dibenzo(a,h)anthracene    | 28.810 | 278  | 215843   | 23.172 | ng/ul  | 97       |
| 96) Benzo(g,h,i)perylene      | 29.908 | 276  | 206030   | 22.015 | ng/ul# | 94       |

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

